

SEQUENCE LISTING

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01200 COMPOSITIONS AND METHODS FOR THE
 THERAPY AND DIAGNOSIS OF BREAST CANCER

01300 210121.419C11

01400 03

01410 1601-03-16

01600 334

01700 FastSEQ for Windows Version 3.0

02100 1

02110 363

02120 BNA

02130 Homo sapien.

04000 1

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02100 1

02110 1.1

02120 FFT

02130 Homo sapien.

04000 1

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Gly Ala Ala Gln Lys Pro Ile Asn Leu Ser Lys Ala Ile Glu Val Val	

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His Ala Leu Asn Leu Ala Phe Val Ala Gln Ala Ala Pro Asp Ser Lys		
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Q212: DNA

Q213: Homo sapien

Q220:

Q221: misc_feature

Q222: (1)...(1010)

Q223: n = A,T,C or G

Q400: 5

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Q211: 960

Q212: DNA

Q213: Homo sapien

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aataaaatba	ggaaaaacgat	gtctgtgtat	agccaaagtc	gntatcccaa	aaggagatac	180
taagtgcact	taaatatcag	aatgtaaaa	ctgggaacca	ggttcccagc	ctgggattaa	240
actgacagca	agaagaactga	acagtactac	tgtgaaaagc	cagaagnggc	aatatgttca	300
ctctacogtt	gaaggatggc	tgggagaatg	aatgctctgt	ccccagttcc	caagctcaat	360

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388

<210> 13

<211> 347

<212> DNA

<213> Homo sapien

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ggttgtggg	tcgaatgtaa	tagcttctgt	tcaagagaga	gttttggcag	tttctgttag	240
ttctgacct	gctcatgtct	ccaggaatct	atttgcactt	caggaggtgt	cgtggggagc	300
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aaacagtttt	taagtctgtt	ggaacaagat	attttttctt	tcctggcagc	ttttaacatt	240
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atttgcacac	aaagaaaaaa	aatttttttg	ttttatttga	aactggacgc	gataaaacgt	360
gtttggagac	gctgtcttat	atagttttta	atgggtttatt	gcacctctct	aagttgcact	420
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cttttggnna	cttagctaaa	aagggtgtnt	tttcgggttg	gggcagatga	aggctcacag	540
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tcacccaccc	gcactgaaac	ttcaactttt	aactgtctac	ctaaccacaaat	tctacccctc	180
aagtcttttg	tggtgtctca	ctactttttt	tttttttttt	tttttttttg	agatggagtc	240
tggtgtgtga	gcacaggggt	ggagtacaaat	ggacacaccc	cagctcactg	naacctccgc	300
ctcccaggtt	catgagattc	tcctgnttca	gccttccacg	tagctgggac	tacaggtgtg	360

```

catcaccatg cctggntaat ctttttngt tttngggtag agatgggggt tttacatgtt 420
ggccaggntg gnttcgaact cctgacctca agtgatccac ccacctcagg ctcccaaagt 440
gctaggattt cagacatgag ccactgngcc cagncctggg gcattgctcc ttctctaggc 540
aactacta 548

```

```

<210> 16
<211> 638
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(638)
<223> n = A,T,C or G

```

```

<400> 16
ttccgttatg cccatgcaga atattctatc ggtaacttcag ctattaactca ttttgatggc 60
gcaatcccgag cctatcccca agatgagtat ttgaaaagaa ttgatttagc gatagaccaa 120
gctgggtaagc actctgaacta cccgaaattg ttccagatgtg atggatttat gacagttgat 180
cttgggaaga gattatttaag tgattatttt aaagggaatc cattaattcc agaatatctt 240
ggtttagctc aagatgatat agaaatagaa cagaaagaga ctacaaatga agatgtatca 300
ccaaactgata tttaagagcc tatagtagaa aatgaattag ctgcatttat tagccttaca 360
catagcgatt ttccctgatga atcttatatt cagccatoga catagcatta cctgatgggc 420
aacctttacg ataatatagaa ctggggtggcg ggcatttgat gaattccatc ncagtaaatt 480
tggatatrac aaaaatataac tggattgcat ttggatgatg gaataactaa tctggcaaaa 540
gtaactttcg agctactagt aacctctctt tttgagatgc aaaattttct tttagggtct 600
cttattctct actttacgga tattggagca taacggga 638

```

```

<210> 17
<211> 286
<212> DNA
<213> Homo sapien

```

```

<400> 17
actgatggat gtgcgggag gggagggggc ttatctgatg ctgggtgccc tgttcgtgat 60
gtgcggggcc attgggctgt ttatctcaaa cccggccaag ggggtgctga tggcgctat 120
tgcccttacc gggcgagaagt caatgggggt ctacccctat ccttttgcca tgggtggggc 180
gatggggctt tggcggggt ttatgacccc ggtctctctg cgggttaaca cctgggtgat 240
tggccctggg aactactcat tttagcattt tgtcaaaaata ggcgtg 286

```

```

<210> 18
<211> 262
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

```

```

<400> 18
tcggtcctag cagccctctt ttctcaattt catctgtcac taccctgggtg tagtatctca 60
tagccttaca ttcttatagc ctctcccttg gtctgtcttt tgattttctt gctgtaattc 120
catatcacac ataactgcaa gtaaacattt ctaaagtgtg gttatgctca tgtcactctt 180

```

gtgncaaagaa atagttttcca ttacoggtott aataaaaatto ggattttgttc ttttctattn 240
tcactottcca cctatgacgg aa 262

<217> 19
<211> 261
<212> DNA
<213> Homo sapien

<400> 19
toggtoctatg caaagccagt ggtttgagct ctctactgtg taaactccta aaccaaggcc 60
atztatgata aatggtygga ggatttttat tataaacatg taccatgca aatttcctat 120
aactctgaga tatattcttc tacattttaa caataaaaaat aattctatttc taaaagccta 180
atcttgctatc ttaggtaaga gtgtttaatg agagggtata aggtataaat caccagtcac 240
cgttttctctg cctatgacgg a 261

<210> 10
<211> 294
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(294)
<223> n = A,T,C or G

<400> 20
tacaacagagg cgaactcgtt aaaatoggac atgaagccac cgttggcttc ttogtccgag 60
cgataggggc cgtccagcca ggggaaagggt tgccgggatg ggaagcgag cgggagttct 120
toggactgaa tatgaacttt gttgtgaaaa taactggcgc ctctgttoga cgaactggcg 180
tggaaactctt cgaactcctt aagatogaag ccttctgtgg cgaactgcgc ggtcagttcc 240
gcccacagga aatcatgggt gagccggatg ctgncccga agnccctgtt tgtn 294

<210> 11
<211> 298
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(298)
<223> n = A,T,C or G

<400> 21
ttggtaaaagg gcatggagcg agacgcctga cgtttggctg aaaactcttc attgatctgt 60
atcaatgaat aggaaaaatc ccaaaagaggg aatgtcctgt tgcctggcag ttttntgtt 120
gttctcagga anaaggcaan gagctcttca gactattggn attntcgttc ggtctctctg 180
caactagctc ncttgcnang atcttcat 298

<210> 17
<211> 297
<212> DNA
<213> Homo sapien

<220>

<201> misc_feature
 <202> (1)...(227)
 <203> n = A,T,C or G

<400> 22
 nccntttgaag ttggtgattg agatntgtaa tgggttgtaa ggtgattcag ggggattagg 60
 gtggcggrtc accgggagc ggggtctccg acaggccagc aggatttggg gcaggtaagg 120
 ngtgggcata gctcgactat atgctatggc agggcagccg tgggaaggngg atcaggtcac 180
 gggctgagc cttccacagc tccatgnatt gngatggctg tctaggcgg ctgttgccaa 240
 ggtgatgct accgtggctg ggcattgat tctgggtgc aaggtgg 287

<210> 23
 <211> 264
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(264)
 <223> n = A,T,C or G

<400> 23
 ttgggttaaaa ggagcaagca gaaggcatgg agaggctcan gctggctctg gctcagact 60
 gggccaagct gtccggggg atggtggaga actgaagcgg gacctctcg aggtctctcg 120
 ncgttaacttc nccgtccagc aggggggtct ctccgtggctc tnggaggagc ggggggagaa 180
 gatctctctc atgtcnaca tccc 264

<210> 24
 <211> 264
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(264)
 <223> n = A,T,C or G

<400> 24
 tggatttgctc accagcgggt agagtggcac cattgagggg atattcaaaa atattatctt 60
 gtccataaat atagttgctg agttttctt tgaccatga gttatattgg agtttatctt 120
 ttaactttcc aatgcacggc acatgttaga cttatctctt gttaatgatt nctatcttta 180
 ttaaattgga ttgagaaat tggttnttat tatatcaatt ttgggtattt gttgagtttg 240
 acattatagc ttggtatgag acca 264

<210> 25
 <211> 276
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(276)
 <223> n = A,T,C or G

>4000 25

```

ttacaaaggag ggaaaaactcc gtctctacaa aaattaaaaaa attagccagg tgtggtggtg      60
tgcacccgtta atccagctta cttggggaggt tgagacacaa gantcaccta natgtgggag    120
gtcaaggattt catgagtcct gattgtgcca ctgcaactcca ggcctgggtga cagaccgaga    180
ccctgcttca ataganaang aataggaagt ccagaaactn tggntgtggn gccagcgaat    240
ctgcattcat ncaacccctg caggcaango tgatgcagcc tangttcaag agctgctgtt    300
cttggaggga gaagtctggg cttccatcca gtatcacggc caactcgca cnagccatct    360
gtctccgrrn tgnnac

```

>4010 26

>4011 372

>4012 DNA

>4013 Homo sapien

>4010

>4010 misc_feature

>4010 (1)...(372)

>4013 n = A,T,C or G

>4000 16

```

ttacaaacag ggaaaaactcc gtctctacaa aaattaaaaaa attagccagg tgtggtggtg      60
tgcacccctta atccagctta cttggggggg tgagacacaa gaaccaccta aatgtgggag    120
ggtaaggattt gcatgagcca tgatcgogcc actgcaactcc agcctgggtg acagactgag    180
acccctgcttc aaaaagaaaaa gaataggaag ttcagaaacc ctgggtgttg ngcccagcaa    240
cttgcattta aaacaatccct gcaggcaatg ctgatgcagc ctaagttcaa gagctgctgt    300
cttggagcca gnaagtaaggg cttccatcca gcatcacggn caacactgca aaagcacttg    360
ctctggtggc ta

```

>4010 17

>4011 477

>4012 DNA

>4013 Homo sapien

>4000 17

```

ctctgtccac atctacaagt tttatttatt ttgtgggttc tcaggggtgac taagtctctc      60
cctacattga aaagagaagt tgcataaaagg tgcacaggaa atcatttttt taagtgaata    120
tgataaatatg ggtccgtgct taatacaact gagacatatt tgtttctctg ttttttagag    180
tcacctctta aagtccaatc ccacaatggt gaaaaaaaaa tagaaagtat ttgtctaac    240
tttaaggaga ctgcagggat tctccttgaa aacggagtat ggaatcaatc ttaataaat    300
atgaaattct ttgtctttct gggataagaa attcccaact cagtgtgctg aaattcaact    360
gaattttttt gggaaaaaat agtcgaaaaat gtcaatttgg tcataaaaat acatgttaac    420
attaaaaagt atttaagac aaattctttt agagctctaa gatttggtgtg gacagaa      477

```

>4010 28

>4011 478

>4012 DNA

>4013 Homo sapien

>4010

>4010 misc_feature

>4010 (1)...(438)

>4013 n = A,T,C or G

>4000 28

```

tctncaacct cttgantgtc aaaaaacctn taggctatct ctaaaagctg actggtattc      60
attccagpaa aatccctcta gtttttggag tttcttttta ctatctggg ctgcttgagc      120
cacaaatgbc aaattaagag catggctatt ttggggggct gacaggtcaa aaggggtgta      180
aatccgataa gcttcttggg ggtgctctaa aaacactcct ggtgactcat catgcccctg      240
gacgacttca atcgncttag acaagtttat aggtttctgg gcagctccct gaataccac      300
gaggagatag cgytggaaaat cgtcaaaaagt tctccctcca cttgagaaat ttgggtccca      360
attaggtccc aattgggtct ctaatcacta ttcctctaga ttctctctcc ggnctattgg      420
ctgatgtgag gttgaaga
438

```

```

<110> 29
<111> 620
<112> DNA
<113> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(620)
<223> n = A,T,C or G

```

```

<400> 29
aagaggggac cagccccaaag ccttgacaaac ttccataggg tgtcaagcct gtgggtgcac      60
agaagtcaaa aattgagttt tgggatccct agcctagatt tcagaggata taaagaaaca      120
cctaacacct agatattcag acaaaaagttt actacaggga tgaagctttc acggaaaaac      180
tctactagga aagtabagaa gagaaatgtg ggtttggagc ccccaaacag aatccctct      240
agaacactgc ctaattgaaa tgtgagaaga tggccactgt catccagaca ccagaatgat      300
agacccacca aaaaattatg ccatattgoc tataaaacct acagacactc aatgcccagc      360
ccatgaaaaa aaaaatgaga agaagactgt nccctacaat gccacccgag cagaactgoc      420
ccaggccatg gaaycacagc tottatatca atgtgacctg gatgttgaga catggaatcc      480
nangaaaton tttaanaact tcacgggttn aatgactgoc ctattanatt cngaacttan      540
atccnggocct gtgactcttt tgcctttggc attcccctt ttgggaatgg cctttttttt      600
cccatgcttg tncctcttta
620

```

```

<110> 31
<111> 100
<112> DNA
<113> Homo sapien

```

```

<400> 30
ttacaaacaa ggggtcaatz tcataaatgt cacataaaaa caatctcttc tttttttttt      60
tttttttttt tttttttttt tttttttttt tttttttttt
100

```

```

<110> 31
<111> 762
<112> DNA
<113> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(762)
<223> n = A,T,C or G

```

```

<400> 31
tagctctatgc gcgggacaga gcagaattaa attggaagtc gccctccgga ctttctaccc      60
acactctttcc tgaaaagaga aagaaaagag gcaggaaaqa ggttaggatt tcattttcaa      120

```


gagtcagcta	attaggagag	cagagtttag	acagcagtag	gcaccccatg	atacaaaacca	180
tggacaaagt	cctgttttag	taactgpcag	acatgatccr	gctcaggttt	tgaaatctct	240
ctgcccataa	aagatggaga	gcaggagtgc	cattccacac	aacacgtgtc	caagaaaagag	300
cttcagggag	aaaaggggat	caaaaaacaa	gattcttaac	gggaaggaaa	tcaaaccaaa	360
aaattagatt	ttctctctaca	tatatataat	atcacagatc	ttaacacatt	attccagagg	420
tggctcagtc	ccttgggggt	tgagagatgg	tgaaaaactt	tgttccacac	taactctgtc	480
tctcaaatcc	tgaagtatat	cagaatggga	caggcaatgt	tttgcctcac	actggggcac	540
agaccccaat	ggttctgtgc	cgaagaaga	gaagcccgaa	agacatgaag	gatgcttaag	600
gggggttggg	aaagcccaat	tgytantatc	ttttctctct	gcctgtgttc	cngaagtctc	660
cctcgaagga	attcttaaaa	ccttttgtga	ggaaatgcac	ccttaccatg	acaantggtc	720
ccattgcttt	tagggngatg	gaaacaccaa	gggttttgat	cc		780

4010: 32

4011: 276

4012: DNA

4013: Homo sapien

4000: 32

tagtctatgc	gtgtattaac	ctccctctcc	tcagtaacaa	ccaaaagaggo	aggagctgtt	60
attaccaacc	ccatttttaca	gatgcatcaa	taatgacaga	gaaagtgaagt	gaattgggca	120
cacaacccag	aaattggcag	agtcagattt	gaatccatgg	agttctgggtc	gcattttcaa	180
tcacccgaata	ccctttctcaa	gaaaagtggt	ctgaatgagt	gcattggataa	atcagtgtct	240
actcaacatc	tttgccataga	tatcccgcat	agacta			276

4010: 33

4011: 477

4012: DNA

4013: Homo sapien

4000: 33

tagtagttgc	caatattttg	aaaatttacc	cagaagtgat	tgaaaaactt	ttggaaaacaa	60
aaacaaa'aa	apccaaaagg	taaaaataaaa	atatctttgc	actctcgtta	ttacctatcc	120
ataacttttt	cacccgttaagc	tctcctgtct	gttagtgtag	tgtggttata	ttaaaactttt	180
tagttattat	tttttatcca	cttttccact	agaaaagtcac	tattgattta	gcacacatgt	240
tgatctcact	tcattttttc	tttttatagg	caaaatttga	tgttatgcac	caaaaaatact	300
caagcccaat	atcttttttc	cccccgaaat	ctgaaaattg	cagggggacag	aggggaagtta	360
tcccattaaa	aaattgtaaa	tatgttcagt	ttatgtttta	aaatgcacaa	aacataagaa	420
aattgtgttt	actcagagtg	ctgattgtaa	gcagttttat	ctcaggggga	actacta	477

4010: 34

4011: 641

4012: DNA

4013: Homo sapien

4000: 34

tagtagttgc	caattccagat	gatcagaaat	gotgottttc	tcagcattgt	cttgtttaaac	60
cgcattgccat	ttggaaactt	ggcagtgcga	agccaaaagg	aagaggtgaa	tgacatatat	120
atatatatat	attccaatgaa	agtaaaatgt	atatgctcat	atactttcta	gttatcagaa	180
tgagtttaagc	tttatgccat	tgggtgtgtg	catacttttaa	tcagaagata	aaagaaaatc	240
tgggcatttt	cagaatgtga	tacatgtttt	tttaaaaactg	ttaaatatta	tttcgatatt	300
tgtctaaagaa	cgggaatgtt	cttaaaaattt	actaaaacag	tattgtttga	ggaagagaaa	360
actgtactgt	tggccatttat	tacagtctga	caagtgcacg	tcaggtcac	cactctctca	420
ggcatcagta	tccacctcat	agcttttaaac	attctgacgg	ggaatattgc	agcatctcca	480
ggcctgacat	ctgggaaaagg	ctcagatcca	cctaactgtc	cttgctcgtt	gatttgtttt	540

```

aaaatattgt ggcctggtgtc aacttttaagc cacagcccttg cctaaaaagcc agcagagaaac 600
agaacccgca ccatctctata ggcaactact a 631

```

```

<10> 35
<11> 313
<12> DNA
<13> Homo sapien

```

```

<400> 35
tagtagtggc catcccatat tacagaagggc tctgtatata tgacttattt ggaagtgata 60
tgttttttat ccaaaacccat ttatcgtaat ttaccagtc ttggatcaat cttgggtttcc 120
actgatccca tgaacccctac ttggagcaga cattgcacag tttctctgtg taaaaactaa 180
aggtttattt gctaaagctgt catcttatgc ttagtatttt ttttttacag tggggaattg 240
ctgagattac attctgttat ccattagata ctttgggata aactgacact gtctcttttt 300
tttcgctttt aattgctatc atcatgcttt tgaacaaga acacattagt cctcaagtat 360
tacataagct tgnctgttac ggcctggtggc ttaaaaggact atctttggcc tcaggttccac 420
aagaatgggc aaagtgtttc cttatgttct gtagtctcca ataaaagatt gccagggggc 480
gggtactctg gctgcacctg taatccagc aacttgggaa gctgaggctg ggggatccatg 540
ctagggcagg tcttcgaaac cagcctgggc aactacta 573

```

```

<10> 36
<11> 363
<12> DNA
<13> Homo sapien

```

```

<400> 36
tagtagtggc ctgttaatccc agcaactcag gaggctgggg caggagaatc agttgaacct 60
gggaggcaga agttgtaatt agcaagatc gcaccattgc acttcagcct gggcaacaa 120
agtgcatttc catctcaaaa acaaaaaaaaa gaaaaagaaa agaaaaggaa aaaaactata 180
aaaccagcca aaacaaaatg atcattcttt taataagcaa gactaattta atgtgtttat 240
tcaatcaaa 35ttggaatc ttctgagtta ttggtgaaaa taccatgta gtaattttag 300
ggttcttaac tgggtgaaacg tttgatgttc acaggttata aaatgggtta caaggaaaaat 360
gatgcataaa gactcttata aactactaaa aataaataaa atataaatgg atagggtgta 420
tggatgaatc ttttgtgtaa tttaaaatct tgaagtcatc ttggatgctc attggttgtc 480
tggtaatttc cattaggaaa aggttatgat atggggaaa cgtttctgga aattgoggaa 540
tgtttctcat ctataaaatg ctagtatctc agggcaacta cta 573

```

```

<10> 37
<11> 716
<12> DNA
<13> Homo sapien

```

```

<120>
<121> misc_feature
<122> (1)...(716)
<123> n = A,T,C or G

```

```

<400> 37
gatctactag ccatntggat tctatccatg gcagctaagc cttctcgaat ggattctact 60
gctttcttgt tctttaatcc agacccttat atatgtttat gttcacaggg agggcaatgt 120
ttagtgaaaa caattctaaa ttttttattt tgcattttca tcttaatttc cgtcacactc 180
cagcaggctt cctggggagaa taaggagaaa cacagctaaa gacattgtcc ctgcttaact 240
acagcctaatt ggtatgcaaa accacttcaa caaagtaaca ggaaaagta taaccaggta 300
gaatggacca aaactgatat agaaaaatca gaggaagaga ggaacaaata tttactgagt 360

```

```

cctagaatgt acaagggttt ttaattacat attttatgta aggcctgcac aaaacaggtg 400
agtaatcaac atttgtccca ttttaccat aaggaaactg aagcttaaat tgaataattt 480
aatgcataga ttttatagtt agaccatgtt caggtcccta tgttataact actagctgta 540
tgaatatggg aaaaataatt tgttatttct ttggcatcag tattttcctc tgcataataa 600
agctaaagtt atttagcaaa cagtcagcat agtgcctgat acatagtagg tgcctcaaac 660
atgattacac tantattngg tattanaaaa atccaatata ggontggata aaaccc 716

```

```

#210 > 38
#211 > 688
#212 > DNA
#213 > Homo sapien

```

```

#220 >
#221 > misc_feature
#222 > (1)...(688)
#223 > n = A,T,C or G

```

```

#400 > 38
ttctgtccac atatcctccc aactttaattg ttaatcagca aaactttcaa tgaataatca 60
tccattttta ccaggatcac accaggaaac tgaaggtgta ttttttttta ccttaaaaaa 120
aaaaaaaaaa accaaaacaa ccaaaaacaga ttaacagcaa agagttctaa aaaatttaca 180
ttctctttaa aactgtcatt cagagaacaa tagttcttaa gtctgtttaa tcttggcatt 240
aacagagaaa cttgatgaan agttgtactt ggaatattgt ggattttttt ttttgtctaa 300
ctctccctca ttcttttggc aacagtaatt taagtctgtg tggaaacatcc ccttagttga 360
agtgtaaaac atgttatagga aggaatatat gataagatga tgcctcacat atgcattaca 420
tgtagggaac ttacaaactt catgcactca gaaaacatgc ttgaagagga ggagaggagc 480
gcccagggtc acatccaggt tgccttgagg acagagaatg cagaagtggc actgttgaaa 540
tttagaagac catgtgtgaa tgggttcagg cctgggatgt ttgcaccaa gaagtgcctc 600
cgagaaaatt ctctcccatc tgggaatacag ggtggcttga tgggtacggc ggggtgaccca 660
acgaagaaaa tgaattctgt ccttttcc

```

```

#214 > 38
#215 > 585
#216 > DNA
#217 > Homo sapien

```

```

#220 >
#221 > misc_feature
#222 > (1)...(585)
#223 > n = A,T,C or G

```

```

#400 > 38
tagtagttgc cgnnaccta aaantgggaa agcatgatgt ctaggaaaac tantaaaaa 60
gggtatgtct atctgtctca gagagatgtt agcattttaa gtgcatanct ctatgtattt 120
tgacaaatgc atatnccctt ataatccaca actgattacg aagctattac aattaaaaag 180
tttggccctg cgtgggtggc ggtggctgac gctgttaact ccagcacttt gggaggccga 240
ggcaacggga tcaagaggtc gggagttcaa gaccatcctg gctaacacgg tgaagtcca 300
ctctctacaa aaatacagaa aaattacccc ggctgtgttg cggggcggctg tagtcccagc 360
tactccgagc gctgagggcag gagaatggcg tgaaccccagg acacgggagc tgcagtgtgc 420
caacatacag tcactgcctt ccagcctggg ggcacaggaac aagantcccg tctccanaaa 480
agaaaaaacg tantnatant ttcnacttta ttttaantta cacagaactn cctcttggtg 540
cccccttacc atccatctca cccacctcct atagggcacn notaa 585

```

```

#210 > 40

```

<211> 475
 <212> DNA
 <213> Homo sapien

<400> 41
 tctgtccaca ccaatcttag aagctctgaa aagaatttgt ctttaaatat cttttaatag 60
 taacatctat tttatggacc aaattgacat ttctgactgt tttttccaaa aaagtcaggt 120
 gaatttcaga acactgagtt gggaaattct tatcccagaa gaccaaccaa ttccatattt 180
 atttaagatt gatcccatcc tccgttttca aggagaatcc ctgcagtctc cttaaaggta 240
 gaacaaatcc ttcctatttt tttttccaca ttgtgggatt ggaactttaag aggtgactct 300
 aaaaaaacag agaacaaata tgtctcagtt gtattaaaca cggacccata ttcctatatt 360
 caottaaaaa aatgatttcc tgtgcaactt ttggcaactt cttttttcaa tgtagggaaa 420
 aacttaqcca cccctgaaaa ccacaaaata aataaaactt gtagatgtgg acaga 475

<210> 41
 <211> 413
 <212> DNA
 <213> Homo sapien

<400> 41
 taagagggta catcgggtaa gaacgttagc acatctagag ctttagagaag tctggggtag 60
 gaaaaaaatc taagtattta taagggtata ggtaacatct aaaagttagg ctagctgaca 120
 ttattttagaa agaacacata cggagagata agggcaaaagg actaagacca gaggaacact 180
 aatattttag gatcacttcc attcttggtt aaaatagtaa cttcttaagtt agcttcaagg 240
 aagatttttg gccatgatta gttgtcaaaa gttagttctc ttgggtttat attactaatt 300
 ttgttttaag atccttggtt gtgtttcaat aaagtcatgt tatatcaaac gctctaaaaa 360
 attgtatgat gttaaatgtc acaatatact taccatttgt tgtatatgga tgtacccctc 420
 cta 483

<210> 42
 <211> 527
 <212> DNA
 <213> Homo sapien

<210>
 <211> misc_feature
 <222> (1)...(527)
 <223> n = A,T,C or G

<400> 41
 tctcctaggc tctcgtggtg gttctctgaa aagtaaaaag ttaaaaaatt taaaaataga 60
 aaaaagctca tayaataaga atatgaagaa agaaaatatt ttgttacatt tgcacaaaga 120
 gtttatgttt taagataagt gttattacaa aagagccaaa aaggttttaa aaattaaaaa 180
 gtttgtaaac ttacagtacc cttatgttaa ttataaattg aagaagaaa aacttttttt 240
 tataaatgta gtatagccta agcatacagt atttataaag tctggcagtg ttcaataatg 300
 tccatagcct tccatctcac tcaactgaac acccagagca acttcacgtc ctgtaagctc 360
 cactcgttgt aattgcacct taccaggtgc ccattttatt taccagtatt ttaactgaac 420
 ttctctatgt ttccatatgt ttogatatac aaataccact gggtactatn gcccnacagg 480
 taattccagt aaacaggcct gtatacgtct ggtancccta gngaaga 527

<210> 43
 <211> 331
 <212> DNA
 <213> Homo sapien

#400 - 43

tottcaactt	cttaggacaa	ctctcatatg	cctgggcact	atTTTTtaggt	tactacottg	60
gctgccttt	tttaagaaaa	aaaaaagaag	aaaaaagaac	ttttccacaa	gtttctcttc	120
ctctagttx	aaatttagag	aaatcatggt	cttaattttg	tgttatttca	gacacacaa	180
tcaaacactt	gttaacatta	agcttctgtt	caatcccttg	ggaagaggat	tcattctgat	240
atttacggtt	caaaagaagt	tgtaatatgt	tgcttggaa	acagagaacc	agttattaac	300
ttctactac	tattatataa	taaataataa	c			361

#210 - 44

#211 - 592

#212 - DNA

#213 - Homo sapien

#220 -

#221 - misc_feature

#222 - (1)...(592)

#223 - n = A,T,C or G

#400 - 44

ggottaata	ttccaggca	aaatarogtt	gattctctct	aggagccacc	ccccacacc	60
ctgtttctt	ctagacctat	acctagacta	aagtccacgc	agacccctag	aggtgaggtt	120
cagagtgaac	cttagaggaga	tgtgctacac	tagaaaagaa	ctgcttgagt	ttcttaattt	180
atataagpac	aaactctggag	aagagtccata	ggaatggata	tttaaggggt	gagataatgg	240
cggaaggaat	atagagtctg	atcaggctgg	acttattgat	ttgaacccac	taagttagaga	300
ttctgcttt	gagtctgcag	ctcagggagt	taaaaaaggt	tttaatggtt	ctaatagttt	360
atctgcttgg	ctagctgaaa	catggataaa	agatggccca	ctgtgagcaa	gctggaaatg	420
cctgatctct	ctcagtttaa	tgttagaggaa	gggatccaaa	agtttagggg	ganttggatg	480
ctggraktgg	attggtcact	ttgrgaacta	ccctccacag	ctgggagggt	ccagaagata	540
cacccctgac	caacgctttg	cgaaatggat	ttgtgatggc	ggcaactact	aa	600

#210 - 45

#211 - 567

#212 - DNA

#213 - Homo sapien

#220 -

#221 - misc_feature

#222 - (1)...(567)

#223 - n = A,T,C or G

#400 - 46

ggottaatag	ttaccattgc	gagtgccttg	tcaacgagcg	ttgaacatgg	cggaattgtct	60
agattcaaac	gatttgagtt	ttaccagcaa	agcgaaccaa	goggggcccc	gagaattcatg	120
ggttgggttg	ctttgaaaag	atggaaatcc	tgtaggccca	gtcagaaaaag	ccttcttgca	180
gaacagtttg	ttctcggggg	aacgtccatc	aagatgcccc	ttggaaaaggc	tagcgtgtat	240
ttgggagagg	cttatagcgt	gtcttctgat	gatgtttgtg	cttggacagt	gacaaaagat	300
atgcaaaagc	agtcgcgaact	agacgtcaag	cttctgtgagc	aaattattgt	agactccctac	360
ttatactctg	agaaatgata	gccaagggtg	gggaacttaa	gaactaaggtg	gtttgtactt	420
gogccgatga	ttccaggcag	aaagamctga	tgcctagttt	tatacgggca	actactaagg	480
cgaattccac	caactcggcg	gcctttaact	attggatccg	anctcggta	cagcttgatg	540
catascctga	gttwtctata	ntgtcnc				567

#210 - 46

<211> 908
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(908)
 <223> n = A,T,C or G

<400> 46

gagcgaaaga	ccgaggggcag	ngnntangng	cgangaagcg	gagaggggca	aaaagcaaac	60
gcttttcacg	gggggtgcag	attcattaag	gcaggtggag	gacaggtttc	ccgatgggaag	120
ggggcagggg	ccaaagcaat	taatgtgagt	aggccattca	ttagcaccgg	ggcttaacat	180
ttaaagcttcg	ggttggtatg	tgggtgggaat	tgtgagcgga	taacaatttc	acacaggaaa	240
cagctatcac	cagcattacg	ccaagctatt	taggtgacat	catagaataa	ctcaagttat	300
gcaccaagct	tggtaacgag	ttcggatcca	ctagtaacgg	ccgcccagtg	gtggaattcg	360
gcttagtagt	tcccgaccat	ggagtgcctac	ctaggctaga	atacctgagy	tcctccctag	420
ctccactcac	attaaaattgt	atctttttcta	cattagatgt	ctccagcgcc	ttattttctg	480
tggacwtacg	ataaattaat	cttgatagga	tgatagcagc	agattaatta	ctgagagtat	540
gttaatgtgt	caatccctcct	atataacgta	tttgcatctt	aatggagcaa	ttctggagat	600
aatccctgaa	ggcaaaaggaa	tgaatcttga	gggtgagaaa	gccagaatca	gtgtccagct	660
gcagtttgtg	gaaaaggtga	tattatgtat	gtctcagaag	tjacaccata	tgggcaacta	720
ctaagcccca	attccagcac	actggggggg	gttactaatg	gacccagagc	cggtaaccaag	780
cttgatgcac	agatttgagta	ctctatagtg	cactaaatag	cttggtcgta	tcattggctat	840
agctgttttc	tgtgtgaaat	tgttatccgc	tcaccaattcc	ccccaccata	cgagccggaa	900
cataaagt						908

<210> 47
 <211> 480
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(480)
 <223> n = A,T,C or G

<400> 47

tgcbaaacaag	gaaagtttta	aatttcctct	tgaggattct	tgggtacacat	caaatccagt	60
ggttttttaac	gttggtttct	gtcaaataac	cttaacttta	agccaaaacg	tatctggaag	120
ccacagataca	atattacaca	gataaaaagag	gagttgatct	aaagtacaga	tagttggggg	180
ctttaatttc	tgaacccctag	gtctccctcat	cttctctctgt	gctgaggaac	ctcttggaag	240
cggggactct	aaagtctctt	ggaagacagt	ttgaaaacca	ccatgttgtt	ctcagtaact	300
ttatttttaa	aaagttaggtg	aacattttga	gagagaaaaag	ggcttggttg	agatgaagtc	360
ccccccccc	cttttttttt	ttttagctga	aatagatacc	ctatgttnaa	rgaarggatt	420
attatttacc	atcccaaytar	scacatgctc	tttgatgggc	nyctccctac	ctctccttaag	480

<210> 47
 <211> 541
 <212> DNA
 <213> Homo sapien

<400> 45

aagaggggtac	cgagtgggaat	ttccgcttca	ctagtctggt	gtggtcagtc	ggtttcgtgg	60
-------------	-------------	------------	------------	------------	------------	----

tggtcaacat	tacgaacttc	caactcaacc	gttcttggac	gttcaagggg	gagtacgggc	120
gaggatggtg	gggtgaattc	tggcctttct	ttgcctgtgg	atcggtagcc	ggcatcatcg	180
gtatgtttat	caagacottc	tttactaacc	cgacctctcc	gatttacctg	cccgagccgt	240
ggcttaacga	ggggaggggg	atccagtcc	ggagtaactg	gtccagatc	ttcgccatcg	300
tctggacaat	gcttatcaac	ttctgtgtca	ataagttgtg	gaccttcga	acgggtgaagc	360
actccgaaaa	cgctccgggtg	ctgtgtgtgg	gtgactccca	aaatcttgat	aaccaacaagg	420
taaccgactc	gggttaagga	accccgccat	ctgggttaact	ctgcatatgc	gtacccctta	480
agccgaattc	cagcacactg	ggggccgtta	ctaattggat	ccgaactccg	taaccgaagcc	540
tgatggttaa	cttgagttat	totatatgtg	ccctaaaata	acctggcggtt	a	600

c210: 49

c211: 454

c212: DNA

c213: Homo sapien

c400: 49

aagagggtac	ctcccttgaa	atttaaatgt	ctaaggaaan	tggtgagatga	ttaagagttg	60
gtgtggccta	gtccacaacca	aatgtattta	ttacatccctg	ctccctttcta	gttgacagga	120
aagaaaactg	ctgtggggga	aggaggggata	aataactgaag	ggatttacta	aaccaaatgtc	180
catcacacag	ttttccctttt	tttttttttg	agacagagtc	ctgtctctgtc	acccagcctg	240
gaatgaadwg	gtatgatctc	agttgaatgc	aaactctacc	ccctaggttc	aagcgattct	300
catgcctcag	ctccctgagc	agctgggaact	ataggcgcat	gtacccatgc	caggcctaatt	360
tttatatttt	tattagagac	gggggtgttg	catgtttggc	aggcaggtct	cgaactccctg	420
ggcctcagat	gatctgcccc	accgtaacct	ctta			480

c210: 50

c211: 463

c212: DNA

c213: Homo sapien

c400: 50

aagagggtac	cataaaaaag	aaaaaggaaa	aaaagaaaaa	caacttgtat	aaggctttct	60
gctgcacaca	gctttttctt	tttaaatata	tggtgccaac	aaatgtttct	gcattcacac	120
caattgcttg	ttttgaaatc	gtactcttca	aaggtatttg	tgcagatcaa	tccaatagtg	180
atgcccgtta	ggttttgttg	actgccaacg	ctgtctacct	tctcatgtag	gagccattga	240
gagactgttt	ggacatgcct	gtgttcctgt	agccgtgatg	tcgggggggc	gtgtacatca	300
tgttacccgtg	ggctgggggtc	tgcattggct	gctgggcata	tggctgggtg	cccatcatgc	360
ccatctgcat	ctgcataagg	cattggggcg	cttgatccat	atagccatga	ctgtgtgggt	420
agccactgtt	catcattggc	tgggacatgc	tgttaacctc	tta		480

c210: 51

c211: 469

c212: DNA

c213: Homo sapien

c400: 51

cttcaacctc	ccaaagtgtt	gggattacag	gaactgagca	ccacgctcag	cttaagccctc	60
tttttcaata	ccctctaagg	gatctaccc	agtgatgagg	ggctaaagag	cagtgcacat	120
tgattacaaat	aatggaaact	agattttatta	attaaccaatt	ttcccttagc	atgttgggtc	180
cataattatt	aagagtatgg	acttaacttag	aaatgagctt	tcatttttaag	aatttcattc	240
ttgaacctct	ctattagtct	gagcagtatg	acactatacg	tatttttatt	aactaaccta	300
cccttagctc	ttacttttta	aaaggccata	tacatgaatg	tgtattgtca	actgtaaagg	360
cccacagtat	ctaatttat	catgatgtct	ttgaggttg			420

<210> 52
 <211> 392
 <212> DNA
 <213> Homo sapien

<400> 51

cttcaacctc aatcaacctt ggtaattgat aaaatcatca cttaactttc tgatataatg	60
gcaataattc totcagaaaa aaaagtgggtg aaagattaaa ttgcatttc totcagaatc	120
ttgaaggata ttgaataat tcaaaagggg aatcagtagt atcagccgaa gaaaactcact	180
tagctagaa gttggaacca tggatctaa tccctggcct tccactaacc agctgattgg	240
ttttgtgtaa acctcctaca cgtctgggct tggctggcct attctgcaaa gtaaaggctg	300
aaataggaa ataatgaac ggtctttttt ggtctttttt ccactcatta ctctgatttt	360
acaaaggagg ctgtattccc ctggcgaggt tg	392

<210> 53
 <211> 179
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(179)

<223> n = A,T,C or G

<400> 53

ttcgggtgat gctctctcag gctacagtga agactggatt acagaaaaggt gccagcgaga	60
tttcagattc ctgtaaaact ctaaaagaaaa ggagtcgggc ctcaactgat gtagaaatga	120
ctagttcaga atacngagac acntctgact ccgattctag aggactgagt gacctgcan	179

<210> 54
 <211> 112
 <212> DNA
 <213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(112)

<223> n = A,T,C or G

<400> 54

ttcgggtgat gctctctcag gctacatcat natagaagca aagtagaana atcnggtttg	60
tgcattttcc caaanacaaa attcaaatga ntggaagaaa ttggganagt at	112

<210> 55
 <211> 235
 <212> DNA
 <213> Homo sapien

<400> 55

tgagcttccg cttctgacaa ctcaatagat aatcaaaagga caactttaac agggattcac	60
aaaggagtar atccaaatgc caataaacat ataaaaagga attcagcttc atcatcatca	120
gaagwatgca aattaaaaac ataatgagaa accactatgt ccactagaa tagataaaat	180
cttaaaaagac tggtaaaaac aagtgttggg aaggcaagag gagca	225

<210> 56
 <211> 175
 <212> DNA
 <213> Homo sapien

<400> 56
 gctccctttg cattaccaac acattctcaa aaacctgtta gaggccaaag cattctcctg 60
 ttagtatagg gattttaccc ctgtcctata aagatgttat gtacccaaaa tgaagtggag 120
 ggccataccb taagggaggg gagggatctc tagtggtgtc agaagcggaa gctca 175

<210> 57
 <211> 223
 <212> DNA
 <213> Homo sapien

<400> 57
 agccatttac caccatgga tgaatggatt ttgtaattct agctgttgta ttttgtgaat 60
 ttgttaattt tttgtttttt ctgtgaaaac catacattgg atatgggagg taaaggagtg 120
 tcccagttgc tcttgggtcac tccctttata gccattaatg tottggtttct tgtaactcag 180
 gttaggtttt gttctctctt gctccactgc aaaaaaaaaa aaa 223

<210> 58
 <211> 211
 <212> DNA
 <213> Homo sapien

<400> 58
 gttogaaggt gaacgtgtag gtagcggatc tcacaactgg ggaactgtca aagaagaatt 60
 aactgaattc gatcaatcaa atgtgaactg ggaacaccc gaaggtgaag aacatcattc 120
 agtggcagac actgaaaata aggagaatga agttgaagag gtaaaagagg agggtcacaaa 180
 agagatgact ttggatgggt ggtaaaatggc t 211

<210> 59
 <211> 208
 <212> DNA
 <213> Homo sapien

<400> 59
 gctccctctt cattaccaac ttgcacacca tcataaccca tgtggccagg ttgacagccc 60
 aggtgcaca taaggggact gcttcgcaat acttcattgt gttgtgtgtg actgatgggt 120
 ctgtgaaggc tcttgaagcc acacgtgagg ctgtggtggg tgcttcgaac ctgcccattg 180
 cagtgatcat tatyygttgt aaatggct 208

<210> 60
 <211> 171
 <212> DNA
 <213> Homo sapien

<400> 60
 agccatttac caccataact aaattctagt tcaaaactca acttcttcca taaaacatct 60
 aaccactgac accagttggc aatagcttct tcttctttta acctctttag gtatttatgg 120
 tcaatgcac acattctctg aactgaataa agtttggtta gcaagaggag c 171

<210> 61

<211> 134
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(134)
 <223> n = A,T,C or G

<400> 61
 egggtgatga ctactcagga tttgggtgtgt caactcnaact caactgggctc ttctccagca 60
 actgggtgaat atgttcctcan gaaaaanccc acacgngct caggggtggg tgggaancat 120
 canaatcctc ngtc 134

<210> 62
 <211> 145
 <212> DNA
 <213> Homo sapien

<400> 62
 agaggggtaca tatgcaacag tatataaagg aagaagtga ctgagaggaa cttcacaaag 60
 gccatttaat caataagtga tagagtoaaag gtcacaccca ggtgtgacgg attccaggtc 120
 ccaagctcct tactggtaac ctctt 145

<210> 63
 <211> 297
 <212> DNA
 <213> Homo sapien

<400> 63
 tgcactgaga ggaattcaca ggggttatgc caaagaacaa accagtcctc tgcagcctaa 60
 ctccattgct ctggggctgc gaagccatgt agagggcgat caggcagtag atggtccttc 120
 ccacagtcac ccccatggtg gtccggtaaa gcatttggtc aggcaggcct cgtttcaggt 180
 agacgggcac acatcagctt cctggaaaaa cttttgtagc tctggagctt tgtttttccc 240
 agcataatca tacaactgtg aatgggaggt cagtttagtt ggttaaggcaa gaggagc 297

<210> 64
 <211> 300
 <212> DNA
 <213> Homo sapien

<400> 64
 gcactgagaa gaaattcaca tactatgttg aataggagtg gtgagagagg gcacccctgt 60
 cttgtgcccc ttctccaaagg gaatgcttcc agcttttggc cattcagtat aatattaaag 120
 aatgttttcc catctttctgt cttgcctggt tttctgtgtt ttgtgtggt tcttcattct 180
 ccatttttcc gcttttccat gttagggaata tattctcttt aatgataact caccctttgt 240
 atcttttctg agactctact catagtgtga taagcaactgg gttggtaagg caagaggagc 300

<210> 65
 <211> 303
 <212> DNA
 <213> Homo sapien

<400> 65

gctctctcttg	ctttaccaaac	tcacccagta	tgtcagcaat	tttatcngct	ttacctacga	60
aacagcctgt	atccaaacac	ttaacacact	cacctgaaaa	gttcaggcaa	caatcgccct	120
ctcatgggct	tctctgctcc	agttctgaac	ctttctcttt	tcctagaaca	tgcatttarg	180
tcgataaaq	tcctctctag	tgc				240

#210: 66
 #211: 644
 #212: DNA
 #213: Homo sapien

taagggggacc	ctgcatttga	gaaagcgaga	ctcactctga	agctgaaatg	ctgttgcacct	60
tgcagttctc	gtagcaggag	ctctgtgctt	tgtgggctaa	ggctcctgga	tgacccctga	120
catgggaaa	gagagctgt	gtgccccttc	tcctggccctc	gtcaaggcat	catggactgc	180
caacacaaaa	atgcctgttt	tattaacgac	atgaaattga	aggagagAAC	acaattccact	240
gatgtggctc	gtaacccatg	atatggctac	atcacagagt	gtgattatgt	aaaggttaat	300
tcacccacac	tcctgtggaa	actagccctc	atgcagggggt	cccc		344

#210: 67
 #211: 157
 #212: DNA
 #213: Homo sapien

gcactgagag	gaactcttga	gggaggttga	actggctgct	gaggaggggg	aaacaacaggg	60
taaccagact	gatagccatt	ggatggataa	tatggctggt	gaggagggac	actaattata	120
gcagagtggt	gttatagcc	tgaggaggca	tcacccg			157

#210: 68
 #211: 137
 #212: DNA
 #213: Homo sapien

gcactgagag	gaactcttga	aaagtgaag	cttagacata	aaataaaaata	aaaattttaa	60
actcaggaga	gacagcccag	caaggctggt	caaggctgta	atcccagaac	tttggggagcc	120
tgaggaggca	tcacccg					137

#210: 69
 #211: 137
 #212: DNA
 #213: Homo sapien

ggggtgagga	ctctcagcc	tgtatcttga	agactatoga	ctggaactct	tatcaactga	60
agaatccat	aaaaatacca	gttgatttat	ttctacctgt	caaaatccat	ttcaaatggt	120
gaagttcttc	tcagtgc					137

#210: 70
 #211: 120
 #212: DNA
 #213: Homo sapien

#220:

<221> misc_feature
 <222> (1)...(220)
 <223> n = A,T,C or G

<400> 70

agcatgttja	gctcagacac	gcaatctgaa	tgagtgtgca	cctcaagtaa	atgtctacac	60
gctgcctggt	ctacatggc	acaccatcnc	gtggagggca	cacctctgct	cngcctacwa	120
cgagggcanc	ctcatwgaca	ggttccaccc	acccaaactgc	aagaggctca	nnaagtactr	180
ccaggggtmya	sgjacmasgg	tgggaytyca	ycacwcatct			220

<210> 71
 <211> 353
 <212> DNA
 <213> Homo sapien

<221>
 <222> misc_feature
 <223> (1)...(353)
 <223> n = A,T,C or G

<400> 71

cgttagatct	tctatccact	gctaaaccat	acacctgggt	aaacagggac	catttaacat	60
ccccanctaa	atatggcaag	tgaattcaca	tgtttatctt	aaagatgtcc	aaaaagcaac	120
tgattttctc	ccctaaaact	gtgatgggtg	gatgattaan	cctgagtggt	ctacagcaag	180
ttaagtccaa	ggtgctaaat	gaangtgacc	tgagatacag	cactctacaag	gcagtacctc	240
tcaacncagg	gcaactttgc	ttctccanagg	gcattttgca	gtgtctgaag	taattttctgt	300
attacaactc	acggggcggg	gggtgaatat	ctantggana	gnagacccta	acg	353

<210> 72
 <211> 343
 <212> DNA
 <213> Homo sapien

<400> 72

gcactgagag	gaacttcaca	tacatkatc	agagtgaaca	ngcancocac	agaacaggag	60
aaaatgttyy	caatctctcc	atctgacaaa	aggctaatat	ccagawtcta	awaygaaactt	120
aaacaaatft	atgagaaaaa	aacaracaa	ctcawcaaaa	agtgggtgaa	ggawatgctc	180
aaangaagac	atytattccg	ccagttaaca	yatgaaaaaa	aggctcatta	tcactgawca	240
ttagagaaat	gcaaatccaa	accacaatga	gataccatct	yayrcagtt	agaayggtga	300
tcattaaaar	stagggaac	aacagatgct	ggacaagggtg	tca		343

<210> 73
 <211> 321
 <212> DNA
 <213> Homo sapien

<221>
 <222> misc_feature
 <223> (1)...(321)
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tcbaaagttcc	catgctgcca	aagtgcacac	ctttggggta	ctgtttttctg	agctccagtg	180
ataaactcatt	tatacaaggg	agataccag	aaaaaaagtg	agcaaatctt	aaaaagggtg	240
cttgagttca	gccttaata	ccatcttgaa	atgacacaga	gaaagaanga	tggtgggtgg	300
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<210> 74

<211> 321

<212> DNA

<213> Homo sapien

<400> 74

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tcbaaagttcc	catgctgcca	aagtgcacac	ctttggggta	ctgtttttctg	agctccagtg	180
ataaactcatt	tatacaaggg	agataccag	aaaaaaagtg	agcaaatctt	aaaaagggtg	240
cttgagttca	gccttaata	ccatcttgaa	atgacacaga	gaaagaagga	tggtgggtgg	300
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<210> 75

<211> 317

<212> DNA

<213> Homo sapien

<400> 75

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agtcagataa	ccctagcttc	ctcatatgca	aaatgagaat	gaaaagtact	cctcgttgaa	180
ttgttttga	gattagaaaa	acatctggca	tgcagtagaa	attcaattag	tattcattct	240
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<210> 76

<211> 244

<212> DNA

<213> Homo sapien

<400> 76

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ttgcccaggt	gggtttgtgc	acccatcagt	ccatcatcta	cattagggtc	ttctcctaatt	180
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<210> 77

<211> 264

<212> DNA

<213> Homo sapien

<400> 77

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gataataaag	gttaataatta	ataatgattt	atttttaaggc	attccccaat	ttgcataaatt	180
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 <212> DNA
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 <223> n = A,T,C or G

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 cctgagggga ccgaggaccc ctatgacccct cagaatcttc acaacgggag atggcactgg 180
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 <211> 406
 <212> DNA
 <213> Homo sapien

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 ccccgatgac agttaggatg tgcattctcc agccatcaag agactgagtc aagtgttcc 180
 ttaagtcaaa acagcagact cagctctgac attctgatto gaatgacact gttcaggaat 240
 ccgaatcccg tgcattagac tggacagctt gtggcaagtg aatttgctg taacaagcca 300
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<210> 80
 <211> 317
 <212> DNA
 <213> Homo sapien

<400> 80
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 atagctacta agaagaattt tatggagaaa gggacggggg cgggggatat agggctgaag 240
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 <212> DNA
 <213> Homo sapien

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<212> DNA

<213> Homo sapien

<400> 8.

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accttcattc acacgagaaa acacctcat gtctatcac ctatccccc ttctctctct 300
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<210> 83

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<212> DNA

<213> Homo sapien

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<212> DNA

<213> Homo sapien

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tgaggtggat tcacgagttg cggacaactc ttttgatgcc aagcgaggtg cagccggaga 180
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<211> 343

<212> DNA

<213> Homo sapien

<400> 85

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gtsaaaagta gaaaaggaaa tatcttctca taaaaactag acagaatgat tctcagaaac 240
tcttttgta ttgtgtggtt caactcacag agtttaacct ttctttctat agaagcagtt 300
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<212> DNA

<213> Homo sapien

<401> 86

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 c211 10
 c212 DNA
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c220
 c223 Primer for amplification from breast tumor cDNA

c400 102
 aagagggtac 10

c210 103
 c211 10
 c212 DNA
 c213 Artificial Sequence

c220
 c223 Primer for amplification from breast tumor cDNA

c400 103
 cttcaacctc 10

c210 104
 c211 20
 c212 DNA
 c213 Artificial Sequence

c220
 c223 Primer for amplification from breast tumor cDNA

c400 104
 gctectcttg ccttaaccaac 20

c210 105
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c220
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c400 105

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<E13> Artificial Sequence

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<E30> 107

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<E10> 108

<E11> 10

<E12> DNA

<E13> Artificial Sequence

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<E30> 108

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<E10> 109

<E11> 10

<E12> DNA

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42200

42200 Primer

4400 130

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14

4210 131

4211 18

4212 PFT

4213 Artificial Sequence

4220

4220 Predicted Th Motifs (B-cell epitopes)

4400 131

Ser Ser Gly Gly Arg Thr Phe Asp Asp Phe His Arg Tyr Leu Leu Val

1

5

10

15

Gly Ile

4210 132

4211 32

4212 PFT

4213 Artificial Sequence

4220

4220 Predicted Th Motifs (B-cell epitopes)

4221 VARIANT

4222 (1)...(22)

4223 Xaa = Any Amino Acid

4400 132

Gln Gly Ala Ala Gln Lys Pro Ile Asn Leu Ser Lys Xaa Ile Glu Val

1

5

10

15

Val Gln Gly His Asp Glu

20

4210 133

4211 13

4212 PFT

4213 Artificial Sequence

4220

4220 Predicted Th Motifs (B-cell epitopes)

4400 133

Ser Pro Gly Val Phe Leu Glu His Leu Gln Glu Ala Tyr Arg Ile Tyr

1

5

10

15

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4210 134

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<010> 135
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<020>
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<010> 136
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<021> VARIANT
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 1 5

<010> 137
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<000> 137
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<010> 138
 <011> 9
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0213 Artificial Sequence

0400

0213 Predicted HLA A2.1 Motifs (T-cell epitopes)

0400 139

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1

5

0210 139

0211 9

0212 PRT

0213 Artificial Sequence

0400

0213 Predicted HLA A2.1 Motifs (T-cell epitopes)

0400 139

Asn Leu Ala Phe Val Ala Gln Ala Ala

1

5

0210 140

0211 9

0212 PRT

0213 Artificial Sequence

0400

0213 Predicted HLA A2.1 Motifs (T-cell epitopes)

0400 140

Phe Val Ala Gln Ala Ala Pro Asp Ser

1

5

0210 141

0211 3383

0212 DNA

0213 Homo sapien

0400 141

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<210> 142

<211> 419

<212> DNA

<213> Homo sapien

<400> 142

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<210> 143

<211> 402

<212> DNA

<213> Homo sapien

#400 - 143

tgtaagtcca	gcagtgtgat	gtccactgca	gtgtgttgct	gggaacagtt	aatgagcaaa	60
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cccttgtaaa	tgcttgcttc	tagacttttc	ctttctgttt	ttcttattca	aacctatata	300
ctcttgataa	gattgtaaat	tcacatgccc	tcagggtgca	ggcagttcat	gtaagggagg	360
gaggctagcc	agttagatct	gcacacact	gtctgactta	ca		402

#210 - 144

#211 - 224

#212 - DNA

#213 - Homo sapien

#400 - 144

tcgggtgatg	ctctctcagg	ccaagaagat	aaagcttcag	accctcaaca	cattctcaaa	60
aaaggaagaa	ggagaaaaaa	gggcatacat	cccgctccga	agggtcaggg	aggaggaaat	120
tgaggtat	tcacagattg	cggacaactc	cttgatgccc	aagcgaggcg	cagccggaga	180
ctggggagaa	cagacccaatc	aggttttgaa	gtctctctca	gtgc		224

#210 - 145

#211 - 111

#212 - DNA

#213 - Homo sapien

#400 - 145

agccatttac	caccatccca	caaaaaaaaa	aaaaaaaaag	aaaaatatca	aggaataaaa	60
atagactttg	aaacaaaaag	aacattttgt	ggcctgagga	ggcatcaccg	g	111

#210 - 146

#211 - 585

#212 - DNA

#213 - Homo sapien

#400 - 146

tagcatgttg	agccacagaa	cttgtagaga	gaggaggaca	gttagaagaa	gaagaaaagt	60
tttcaaatgc	tgaaggttac	tataagaaaag	ctttggcttt	ggatgagact	tttaaaagatg	120
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aaattttatg	atattttgaa	taatgccccaa	acttaatttc	ctcctgagga	aaactattct	240
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#210 - 147

#211 - 579

#212 - DNA

#213 - Homo sapien

#220 -

#221 - misc_feature

#222 - (1)...(579)

#223> n = A,T,C or G

#400> 147

tagcatgttg	agccacagaca	ctgggcagcgg	gggggtggcca	cggcagctcc	tgcagagccc	60
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#210> 148

#211> 249

#212> DNA

#213> Homo sapien

#400> 148

tgacaccttg	ccacagcatct	gcaagccagg	aagagagctcc	ccaccaagat	ccccaccccg	60
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aaataaactct	ttgtgggtttc	agatatttag	ctatagcaga	ccaggtcgac	taagagaaac	180
cccataagag	ttacatactc	attaatctcc	gtctctatcc	ccaggtctca	gatgtctggac	240
aaggtgtca						300

#210> 149

#211> 155

#212> DNA

#213> Homo sapien

#400> 149

tgacaccttg	ccacagcatct	gctatcttctg	gacttttttaa	taatagccat	cttgactggg	60
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cttttttttaa	atatgtcttg	tgaccacatg	catactcatct	tttgagaagt	gtctgttcat	180
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ctggacaagc	tgctca					300

#210> 150

#211> 318

#212> DNA

#213> Homo sapien

#400> 150

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aacaggacac	tgtctccgct	ggcaccaaagc	gtcagagact	cccatctttg	aagcaccggc	240
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#210> 151

#211> 323

#212> DNA

<213> Homo sapien

<214>

<215> misc_feature

<216> (1)...(323)

<218> n = A,T,C or G

<400> 151

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gtcngniata ggggcnata actacagaaa tgcanttcac actgcttoca ntgcocatng	240
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ctccacattg ttgagcnat aat	323

<218> 152

<219> 311

<219> DNA

<213> Homo sapien

<400> 152

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gtctctaaag ttrattttgt tcataaattt catgccttga atgccttgtc tgcctcacc	180
tggctcaagg cttagtggaac aactaaaagt ctctgtcttc ttgtctctca aactctct	240
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cagagggtca g	311

<218> 153

<219> 332

<219> DNA

<213> Homo sapien

<400> 153

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agtgtacac gtgtctcagc tatggaatct tg	332

<218> 154

<219> 345

<219> DNA

<213> Homo sapien

<214>

<215> misc_feature

<216> (1)...(345)

<218> n = A,T,C or G

<400> 154

tcaagattcc ataggtgac ctggacagag atctctgtgg tctggccacg gacagcaggc	60
tcaagctcag tggagaaggt ttcatgacc ctccagattcc cccaaaacct ggattgggtg	120

```

acattgcacg tcttcagaga gggaggagat gtangtctgg gottccacag ggacctggta 180
ttttagratc agggtaacgc tggcctgagg ctgggacatc tcanagcctg ggggtgggaat 240
ggctggagag ctgtggcccc attgaaatag gctctggggg actccctctg ttcctanttg 300
aacttgigtg aggaacagga atgttggtcan cctatggaat ctgga 345

```

```

<210> 155
<211> 345
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

```

```

<400> 155
gacgcttggc cacttgacac attaaacagt tttgcataat cactancatg tattttctagt 60
ttgctgtctg ctgtgacgac ctggcctgat tctctggcgt taatgatggc aagcataatc 120
aaaagctggt ctgtttaattc caagttataa ctggcattga ttaaagcatt atctttcaca 180
actaaaactg tcttcacana acagcccata ctattatcaa attaagagac aatgtattcc 240
aatatccttt anggccaata tatttnatgt cccttaatta agagctactg tccgt 295

```

```

<210> 156
<211> 406
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(406)
<223> n = A,T,C or G

```

```

<400> 156
gacgcttggc cacttgacac tgcagtggga aaaccagcat gagccgctgc ccccaaggaa 60
cctogaagcc caggcagagg accagccatc ccagcctgca ggtaaaagtg gtcacctgtc 120
aggtgggctt ggggtgagtg ggtgggggaa gtgtgtgtgc aaagggggtg tnaatgtnta 180
tgctgtgtgag catgagtgat ggcctagctg actgcctgtc agggagtggt aacaagcgtg 240
cgggggtctc tctgcaagtj cgtatgcata tgagaatatg tgtctgtgga tgagtgcatt 300
tgaaaagtct tctgtgtgct tctggtcctg anggtaantt antgactgcg caggatgtgt 360
gagtgctcat ggaacactca ntgtgtgtgt caagtggcch ancgtc 406

```

```

<210> 157
<211> 308
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(208)
<223> n = A,T,C or G

```

```

<400> 157
tgacgcttgg cacttgaca cactaaaggg tgttaactcat cactttcttc tctcctcggg 60
ggcatgtgag tgcattatc cacttggcac tcatttgttt ggcagtgaat gtaanocana 120

```

```

totgatgcat acaccagctt gtaaattgaa taaatgtctc taatactatg tgcgcacaat 180
anggtanggg tgaggagaag gggagaga 203

```

```

<R10> 153
<R11> 547
<R12> DNA
<R13> Homo sapien

<R20>
<R21> msa_feature
<R22> (1)...(547)
<R23> r. = A,T,C or G

```

```

<R400> 153
cttcaacctc cttcaacctc cttcaacctc ctggattcaa acaatcctcc caoctcagac 60
tcotttagtag ctgagactac agactcagc cactacatct ggctaaattt ttgtagagat 120
aggggtttcat catgttgccc tggttggtct caaacctctg aacctcagca atgtgcccac 180
ctcagcctcc caaagtgtct ggattacagg cataagccac catgcccagt ccatttttaa 240
tctttcctac cacatttctt ccacactttc ttttatgttt agatacataa atgcttaaca 300
ttatgataca attgcccaca gtattaagac agtaacatgc tgcacagggt tttagcctag 360
gaacagtagr caataccaca tagcttaggt gtgtggtaga ctataccatc taggtttgtg 420
taagttacac ttlatgtctt ttacacaatg acaaaaaccat ctaatgatgc atttctcaga 480
atgtatcctt gtcagtgaag tatgatgtac aggggaacct gcccaggac acagatattg 540
taoctgt 547

```

```

<R10> 153
<R11> 203
<R12> DNA
<R13> Homo sapien

```

```

<R400> 153
gtcctctctt ccttaaccaac tcaaccagta tgcagcaat tttatcrgct ttactaaga 60
aacagccgtg atccaaacac ttaacacact caoctgaaaa gtcaggcaa caatcgccct 120
ctcatgggc tctctgctcc agttctgaac cttctctctt cctagaaca tgcatttarg 180
tcgataaaa tctctctcag tgc 203

```

```

<R10> 160
<R11> 482
<R12> DNA
<R13> Homo sapien

```

```

<R400> 160
tgtaagttag gcatgtgat ggggtggaac gggttgtaag cagtaattgc aaactgtatt 60
taaacaattt taataatatt tagcatttat agagcacttt atatcttcaa agtaacttga 120
aacatttarg aattaaatac cctctctgat tataatctgg atacaaatgc acttaaaactc 180
aggacappc catgagaaaa gtatgcattt gaaagtgggt gctagctatg ctttaaaaaa 240
ctatacatt atagggraagt tagagttcag attctgttgg actgttcttg tgcatttcag 300
ttcagcctga tgcagcaatt agatcatatc tgcactogac gactytgctt gataaacttat 360
cactgaaatc tgagtgttga tcatcacact gctcgactta ca 402

```

```

<R10> 161
<R11> 143
<R12> DNA
<R13> Homo sapien

```

<400> 161
 agcatgttga ggcagagac tgaccaggag aaaaaccaac caatagaaac agggccagac 60
 actgactaga agaaaaaca aaccaataaaa acaggccagg acataagaca aataataaaa 120
 tttagggaga aggcacatgaa aacagctatt gtaagagagg atatagtggg gctgtgtctgg 180
 gctcaacatg cta 143

<210> 162
 <211> 147
 <212> DNA
 <213> Homo sapien

<400> 162
 tgttgagccc agacaotgac caggagaaaa acaaaccaat aaaaacaggg ccggacataa 60
 gacaaataat aaaaattagcg gacaaggaca tgaaaaacagc tattgttaaga ggggatatag 120
 tgggtgtgtgt ctgggctcaa catgcta 147

<210> 163
 <211> 194
 <212> DNA
 <213> Homo sapien

<400> 163
 tagcatgttg agcccagaca caaatctttc ctttaagcaat aaatcatttc tgcataatgtt 60
 tttaaaaaca cagcttaagcc atgattatct aaaaaggacta ctgtattggg tatttttgatt 120
 tgggtttctta cctccctcac attatcttca tttctatcat tgacctctta tcccagagac 180
 tctcaaacct ctatgttata caaatcacat cctgtctcaa aaaatatctc acccaattct 240
 cttctgtttc tgcctgtgta tctgtgtgtg cgtgtgtctg ggctcaacat gcta 304

<210> 164
 <211> 412
 <212> DNA
 <213> Homo sapien

<210>
 <211> misc_feature
 <220> (1)...(412)
 <223> n = A,T,C or G

<400> 164
 cgggatttgc tttagagctgc agatgctgac tctgacccga ccggggctgg aacagaaaagc 60
 caactggctg caagtgggac agagccggcc tgactacgtg ctgctgtggg gctggggcgt 120
 gatgaactca accgcccctga aggaagccca ggccacccga tacccccggc acaagatgta 180
 cggcgcttgc tgggcccgtg ccgagcccca tctgctgtgac gtggggcgaag gggccaaagg 240
 ctacaaacac cttagctctga accgtacgg caccgactcc aaggtgatcc angacatcct 300
 gaaacacgtc caagacaagg gccaggcac ggggccccaa gacgaagtgg gctcgggtgt 360
 gtacaccccc ggcgtgatca tccagatgct ggacaaggct tcaatcacta at 412

<210> 165
 <211> 361
 <212> DNA
 <213> Homo sapien

<400> 165

```

ctgacacott gtccagcatt tgcatttgat gagagctcca gatgggtacc actaatggca      60
gaaggcaaaag gagaacagggc attgtatggc aagaaaaggaa gaaagagaga ggggagaaaag    120
gtgttaagtt cttttcaaca accagttctt gatggaactg agagttaagag ctcaaggcca    180
ggtgttgatga ctccaaccag taatcccaac attttaggag gctgaggcag gcagatgtct    240
tgaccccatg agtttctgac cagcctgaac aacatcatga gactccatct ctacaataat    200
cacaaaaatt aatcagggcat tgtggtatgc cctgtagtcc cagatgtctg acaaggtgtc    360
a                                           381

```

<110> 166

<111> 417

<112> DNA

<113> Homo sapien

<400> 166

```

twgactact caftgcccct acacccaaact atctttctcca ggtggccagg catgatagaa      60
cttgatcttg acftagggga atattttctt ttactttccc atcttgattc cctgcgggtg    120
agctctcttg tttagggtaa gaaaggagct caggccaaag taatgaacaa atccatcttc    180
acagacgtac agaataagag aacwtggacw tagccagcag aacmcaaktg aaamcagaac    240
mcttamctag gatracaaac mcttaratar ktgcycmcmc wtataataga aacccaaact    300
gtatctaatl aaatatttat ccacygtcag ggcatttagtg gttttgataa atacgctttg    360
gctaggattc ctgagggttag aatggaaraa caattgcamc gagggtaggg gacatgagtc    420
aktctaa                                     437

```

<110> 167

<111> 500

<112> DNA

<113> Homo sapien

<120>

<121> misc_feature

<122> (1)...(500)

<123> n = A,T,C or G

<400> 167

```

aaagtcctat gctcccgccc gccatggcgg cgggatagac tgactccatgt cccctaagat      60
agaggagaca ccgctaggtt gtaaggagaa gatgggttagg totacggagg ctccaggggtg    120
ggagtacttc cctgctaagg gagggtagac tgttcaacct gttctgctc cggcctccac    180
tatagccgat gccagcagga gtaggagaga gggaggtaag agtcagaagc ttatgttgtt    240
tatggcgcca aagccctat cgggggcagc cragtctatta ggggacatc tagwyartow    300
agntagcctc caaagcgngg gattntccc atatggctgg acctgcaggc ggccgcatta    360
gtgattagaa tgtgagcccc agacacgcct agcaacaagg acctaaaact agatcctgtg    420
ctgattactt aacatgaatt attgtattta ttaacaaact ctgagttatg aggcataatta    480
ctaggtccat attacctgga                                     500

```

<110> 168

<111> 358

<112> DNA

<113> Homo sapien

<400> 168

```

tccatccttc ggtgaactca gcctgtaate ccagaaacttc gggaggccga ggggagcaga      60
tcaccttagg ttgggagttt gagacccagc tggcccaaat ggtgacaaac cgtctctgct    120
aaaaatccaa aaattagcca agcatgggtg catgcacttg taatcccagg tactggggag    180
gctgaggcag gagaatcact tgaggccagg aggcagaggt tgcagttagg cagaggttga    240

```

gatcatgcca	ctgcaactcca	gootggggcaa	cagagtaaga	ctccatctca	aaaaaaaaaa	300
aaaaaaaaaa	tgatcagagc	cacaaataca	gaaaacottg	agtcacggag	cgatgaaa	358

4210: 169

4211: 1265

4212: DNA

4213: Homo sapien

4400: 169

ttctgtccac	acaaatctta	gagctctgaa	agaatttgto	tttaaatatc	ttttaaatagt	60
aacatgtatc	ttatggacca	aattgacatt	ctcgactatt	ttttcccaaa	aaaagtcagg	120
tgaatttcag	cacactgagt	tggaatttct	ctatcccaga	agwccggcag	agcaatttca	180
tacttatcta	agattgatto	catactccgt	tttcaaggag	aatccctgca	gtctccctaa	240
aggtagaaca	aatactttct	attctttttt	caaccattgt	ggattggact	ttaagagggt	300
actctaaaaa	aaacagagaa	aaatattgtc	cagttgtatt	aagcacggac	ccatattatc	360
atattccact	aaaaaaaaat	tttccctgtc	accttttggc	aaattctctt	ttcaatgtag	420
ggaaaaaact	agtcacccct	aaaaaccaca	aaataaataa	aaattgtaga	tgtgggcaga	480
argtttgggt	gtgacacttg	tatgtgttta	aattaaaacc	tgtatccact	agaagctgtt	540
gtatgggtca	gaaaaaatga	atgcttagaa	gotgttcaca	tottcaagag	cagaagcaaa	600
ccacatgtct	cagctatatt	attattttat	ttttatgcac	aaagtgaatc	atttctctct	660
tattaatttc	caaagggttt	taccccttat	ttaaatgctt	tgaaaaacag	tgcattgaca	720
atgggttgat	atttttcttt	aaaagaaaaa	tataattatg	aaagccaaga	taattctgaag	780
ctgtcttctt	tttaaaaact	tttatgttct	gtgtttgatg	ttgtttgttt	gtttgtttct	840
attttgttgc	ttttttaact	tgttttttgt	tttgttttgt	tttggtttdg	catactacac	900
gcagttctct	taacccaatg	ctgttttggt	aatgtaatta	aagttgttaa	tttatatgag	960
tgcatttcaa	ctatgtcaat	ggtttcttaa	tattttattgt	gtagaagtac	tgttaatttt	1020
tttatctaca	atattgttaa	agagataaca	gtttgatatg	ttttcatgtg	tttatagcag	1080
aagttattta	ttctatgtgc	attccagcgg	atatttttgt	gtttgcgagg	catgpagtca	1140
atatttttga	cagtttagtg	acagttatca	gcacgccttg	atagcttctt	tggccttatg	1200
ttaaataaaa	agacctgttt	gggtatgtaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1260
aaaaa						1265

4210: 170

4211: 383

4212: DNA

4213: Homo sapien

4400: 170

tgttaagtcca	gcagtggtgat	gaagatatto	ttcttattaa	tgtggtaact	gaacaaatga	60
tctgtgatcc	tgatccctgag	ctaggaggcg	ctgttcagtt	aatgggaact	cttcgtactc	120
taattgatac	agagaacatg	ctggctacaa	ctaataaaaac	cgaaaaaagt	gaattttctaa	180
acttttctct	caaccattgt	atgcattgtc	tcacagcacc	acttttgacc	aatacttcag	240
aagacaaaat	tgaaaaaggat	aatatagtgg	gatcaaacaa	aaacaaacaa	atttgcctcg	300
ataattatca	aaacgcacag	ctaattgcct	taattttaga	gttaactcaca	ttctgtgtgg	360
aacatccca	tgtctgactt	aca				420

4210: 171

4211: 383

4212: DNA

4213: Homo sapien

4400: 171

tgggcacact	caatatcgca	agttaaaaat	aatgttgagt	ttattatact	tttgacctgt	60
ttagctcaac	agggtgaagg	catgtaaaga	atgtggactt	ctgaggaatt	tttttttaaa	120

```

aagaacataa tgaagtaaca ttttaattac tcaaggacta ctttttggtt aagttttataa 180
tctagatacc tctacttttt gtttttggtg ttcgacagtt cacaagaacc ttccagcaatt 240
tacagggtaa aatcgttgaa gtagtggagg tgaacctgaa atttataatt attctgtaaa 300
tactataggg aaagagggtg agcttagaat cttttgggtg ttcctgtgtt ctgtgctctt 360
atcctcacac tgcctgactt aca 388

```

<210> 172

<211> 699

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(699)

<223> n = A,T,C or G

<400> 172

```

tcgggtgatg cctcctcagg cttgtcgtta gtgtacacag agctgctcat gaagcgacag 60
cggtcgcccc tggcacttca gaaacctotto ctctacactt ttggtgcgct totgaatcta 120
ggtctgcctg ctggcgcgcg ctctggcccc ggootcctgg aaagttttct aggatgggca 180
gcactcgttg tctgagacca ggcactaaat ggactgctca tgtctgctgt catggagcat 240
ggcagcagca tcacacgoot ctttgtgggtg tctgtctogo tgggtggtcaa cggcgtgctc 300
tcagcagtcn tctacggtgt gcagctcaca ggcgccttct tctgggcaac attgctcatt 360
ggcctggcta tggcgcctga ctatggcagc cgcctagtcn tgacaaactc caccctgatt 420
ccggacccctg tagattgggc gccacacaca gatccccctc ccaggccttc ctccctctcc 480
catcagcgcg cctgttaacaa gtgccttggt agaaaagctg gagaagttag ggcagccagg 540
ctattctctg gacttggtg gatgaagggt tacccttagg agatgtgaag tgtgggtttg 600
gttaaggaaa tgcctaccat ccccccaccc caaccaagtt ntccagact aaagaattaa 660
ggtaacatca atacctaggt ctgaggaggc atcacccga 699

```

<210> 173

<211> 701

<212> DNA

<213> Homo sapien

<400> 173

```

tcgggtgatg cctcctcagg ccagatcaaa cttgggggtt aaaaactgtg aaagaaatca 60
atgtcggaga aagaattttg caaaagaaaa atgcctaatt agtactaatt taataggcca 120
cattagcagt ggaagaagaa atgttgatat ttatgtcag ctattttata atcacagag 180
tgcttaagct catgtaagcc atctcgtatt cattagaaat aagaacaatt ctattcgtc 240
gaaagaactn ctcaatttat agcatcttaa ttgctcagga ttttaaattt tgataaagaa 300
agctccactn ttgpcaggag tagggggcag ggagagagga ggctccatcc acaaggacag 360
agacacacag gcacgtaggt tagctgggtg ctggatcagt cacaacggac tgacttatgc 420
catgagaaga aaaaacctcc aaatctcagt tgcctaatac aacacaagct cattttcttg 480
tcacgttaca tgccttatgt agatcaacag caggtgactc agggaccccag gctccatctc 540
catatgactt tccatagtc cagggacacg ggccttgaaa gtgtcctcca tgcagggaca 600
catgcctctt cctttcattg ggcagagcaa gtcacttatg gccagaagtc acactgcagg 660
gcagtgcact ctgtctgtat gctgaggag gcacacccg a 701

```

<210> 174

<211> 700

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(700)
 <223> n = A,T,C or G

<400> 174

tggggtatx	cctcctcang	ccctaaaac	agagtcacag	gtcagagcca	caggagacag	60
ggaaagacat	agattttaac	cggccccctt	caggagattc	tgaggctcag	ttcactttgt	120
tgcagtttga	acagagggag	caaggctagt	ggttaggggc	acggctctta	aagctgcact	180
gcctggatct	gcctccacag	tcctccagga	accagctgg	tggccttgag	ctgctgacac	240
gcagaaagcc	ccctgtggac	ccagtctcct	cgtctgtaag	atgaggacag	gaactctagga	300
accctttccc	ttggtttggc	ctcactttca	caggctccca	tcttgaaactc	tactctactct	360
tttccgtaaa	ccctgtaaaa	gaaaaaagt	ctagcctggg	caacatggca	aaacccctgtc	420
tcacacaaaa	atacaaaaat	tagttgggtg	tgggtggcatg	tgcctgtagt	ccagagccact	480
tgggagatcc	tgaggtggga	ggatccattg	agcccgggag	gtggagggttg	cagtgagcca	540
agatcatgct	actgcactcc	agctgagta	atagagtaag	actctgtctc	aaaaacacaa	600
acaacacacg	tgagtgtgac	tcctgttccg	ggttggatgg	ggcaccacat	ttatgcatct	660
ctcagatttg	gacgtgacg	cccgaggagg	catcaccgca			700

<210> 175
 <211> 484
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(484)
 <223> n = A,T,C or G

<400> 175

tataggccga	attgggcccg	agttgcacgn	tcacggccgc	catggcccgg	ggattccgggt	60
gatgcctcct	caggcttggtc	tcacacaaag	taactctctg	agctcagaaa	gtgcacccctg	120
atgaggcaaa	atctccact	gcactgogaa	ttctccagtt	ccattttacc	tcacagtcct	180
ccctctaaac	cagtttaata	attcattcca	caagtattta	ctgattacct	gcttctgcac	240
gggaactttc	tcaggttgaa	gaaggtggga	ggggaggggc	gaacctgagg	agccacctga	300
gcacagctta	tatttcaaac	atggctgggc	catctgagag	catctcccca	ctctcgcaca	360
ccatctgggg	catagcccag	ggatgccccc	aggcgcccca	ggttagatgc	gtccctctgg	420
cttgtcagta	atgacataca	ccctagctgc	ttagctgggtg	ctggcctgag	gaggcatcac	480
ccga						484

<210> 176
 <211> 482
 <212> DNA
 <213> Homo sapien

<400> 176

tggggtgata	cctcctcagg	gtcacaaggga	tcagaaagtga	cttctttctg	gagggaacgt	60
tcacgcccac	caggatgaaa	atggataggg	acccacttgg	aggacttgc	gatatgttg	120
gacaaatgcc	aggtagcgga	attggtaactg	gtccaggagt	tatccaggat	agattttcac	180
ccaccatggg	acgtcatcgt	tcacaaatcac	tcctcaatgg	ccatggggga	ccatcatgac	240
ctccacacaa	atcgagttt	ggagagatgg	gaggcaagtt	tatgaaaagc	cagggggctaa	300
gcacagctta	ccataaacag	agtcagggac	tccttatccca	gctgcaaggga	cagtcgaagg	360
atatgcaccc	tcggttttct	aagaaaggac	agcttaatgc	agatgagatt	agcctgagga	420
ggcatcaccc	ga					482

<10> 177
 <11> 799
 <12> DNA
 <13> Homo sapien

<400> 177

tagcatgttg	agcccagaca	cagtagcatt	tgtgccaatt	tctggttgga	atgggtgacaa	60
catgctggag	ccaagtgtca	acatgccttg	gttcaaggga	tggaaagtca	ccogtaaggga	120
tggcaatgac	agtggaaaca	cgtgccttga	ggctctggac	tgcacccctac	caaccaactcg	180
cccaactgac	aaaccccttg	gcctgcctct	ccaggatgtc	tacaaaaattg	gtgggtattgg	240
tactgttctt	gttggccgag	tggagactgg	tgttctcaaa	cccggtatgg	tggtoacacct	300
tgtccacgtc	aaagttaaca	cggaaagtaaa	atctgtcgaa	atgcacccatg	aagctttgag	360
tgaagctctt	cttggggaca	atgtgggctt	caatgtcaag	aatgtgtctg	tcaaggatgt	420
tctgttggc	aagtgtgtgt	gtgacagcaa	aaatgaccca	ccaatgggaag	cagctgggctt	480
cactgtccag	gttattatcc	tgaacccatcc	aggccaaata	agtgcgggct	atgcacctgt	540
attggattgc	ccacaggctc	acattgcctg	caagtttgtt	gagctgaagg	aaaagattga	600
tgcgcgttct	ggtaaaaagc	tggagatagg	ccctaaattc	ttagaagtctg	gtgatgtctc	660
cattgttgat	atgttctctg	gcaagcccat	gtgtgttgag	agcttctcag	actatccacc	720
tttgggtctc	tttgcgtctc	gtgatatgag	acagacagtt	gcgggtgggtg	tctgggctca	780
acatgcta						788

<10> 178
 <11> 786
 <12> DNA
 <13> Homo sapien

<400> 178

tagcatgttg	agcccagaca	ccgtgtgttc	tgggagctct	ggcagtggtg	gattccatagg	60
cactgtgtct	gccttttgaa	tgcacacactt	ggctttatta	gattccactag	tttttaaaaa	120
attgtgttct	gtttcttttc	attaaaaggtt	taatcagaca	gattcagacag	cataattttg	180
tatttaattg	cagaaaagctt	ggtacatttc	ttcatgaatg	agcttgcactt	ctgaagcaag	240
agcctacaaa	aggcacttgt	tataaatgaa	agctctggct	ctagaggcca	gtactctgga	300
gtttccagag	agccagtgat	tgttccagtc	agtgatgcct	agttatatag	aggaggagta	360
cactgttccg	tcttctaggt	gtaagggtat	gcaacttttg	attttaaaat	tctgtacaca	420
tacacacttt	atatatatgt	atgtatgtat	gaaaacatga	aattagtttg	tcaaatatgt	480
gtgtgtttag	tatttttagct	tagtgcaact	atttccacat	tatttatbaa	attgatctaa	540
gacactttct	tgttgacacc	ttgaatatta	atgttcaagg	gtgcaatgtg	tattccttta	600
gattgttaaa	gcttaattac	tatgatttgt	agtaaaattaa	cttttaaaat	gtatttgagc	660
ctttctgtag	tgtgttaggg	ctcttacagg	gtgggaaaga	ttttaatttt	ccagttgcta	720
attgaaaggt	atgcctccat	tatatatttt	gatttatagg	agtttgtgtc	tgggtccaac	780
atgcta						786

<10> 179
 <11> 746
 <12> DNA
 <13> Homo sapien

<400> 179

tagcatgttg	agcccagaca	ctgggttaaca	gaccagacct	gcttccctca	tatgtaaaaca	60
gcttttaaaa	agccagtga	cttttttaatt	actttggcaa	cttcttttca	caggcaaaaga	120
acacccccat	ccgcaccttg	cttggagtgc	agagtttggc	tttggctctt	tgccttgcct	180
ggagtatact	tctaattctt	gttgcctctc	acaagctgaa	taccgagcta	ccacccgcca	240
ccaggccag	gttccactc	atttattact	ttatgtttct	gttccactgc	tggtoacacag	300

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aaataagttt tcttttggag gaatgtgatt ataccctttt aatttcctcc ttttgctttt 360
ttttaaatcc attggtatgt gtttggccca gaggaaactg aaattcacca tcatcttgac 400
tggcaatccc attaccatgc tttttctaaa aaacgttaatt tttcttgccct tacattggga 480
gagtagccct tcttgggtac tggcttaatt tagtcactca gtttctaggt ggcattagga 540
atgagacctg aagcacagac tgtcttacca caaaagggtg caagatctca aaccttagcc 600
aaagggctat gtcaggtttc aatgctatct gctctgtctc ctgctcaact tcttggattt 660
tgtctctctc catccctaga accagaattt ccaggtctcc ctccctacct tcccttgctt 720
caattctaat ctatcagcaa aataactttt caaatgtttt aacgggtatc tccatgtgtc 780
tgggctcaac atgcta

```

<210> 180

<211> 488

<212> DNA

<213> Homo sapien

<400> 180

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ggatgttctg caaggcgatt aagttgggta acggccaggt tttcccagtc accaogttgt 60
aaaaacgagg ccagtgaatt gtaatacagc tcaactatagg gogaattggg ccggaacttg 120
catgctcccg gccgccaatgg ccgggggata gcctgttgag ccagacaccc tgcaggctcat 180
ttggagagat ttctcaagtt accagcttga ttgtcttttt caggaggaga gacactgagc 240
actcccaagg tgaagttgaa gatttccctc agatagccgg ataagaagac taggagggat 300
gcctagaaaa tgattagcat gcaaatcttc acctgccaat tcagaactgt gtgtcagccc 360
acattcagct gcttcttctg aactgaaaag agagaggtat tgagaacttt ctgatggccg 420
ctctaacatt gtaacacagt aatctgtgtg tgtgtgggtg tgtgtgtgtg tccgggctca 480
acatgcta

```

<210> 181

<211> 317

<212> DNA

<213> Homo sapien

<400> 181

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tagcatcttg agcccagaca ccggcgacgg accctgatgag tgggggtgat gcaactgtga 60
aaaggacgaa cgtcatcccc catgatattg gggacccaga tgatgaacca tggctccggg 120
tcaatgcata tttaatccat gatactgctg attggaagga cctgaacctg aagtttctgc 180
tgcaggttta tctggactat tacctcaagg gtgatcaaaa ctctctgaag gacatgtggc 240
ctgtgtctct agtaagggat gcacatgcag tggccagtgt gccaggggta tggttggctg 300
ctgggctcaa catgcta

```

<210> 182

<211> 547

<212> DNA

<213> Homo sapien

<210>

<211> misc_feature

<212> (1)...(507)

<213> n = A,T,C or G

<400> 182

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tagcatgttg agcccagaca ctggctgtta gccaaatcct ctctcagctg ctccctgttg 60
tttggtgact caggattaca gaggcactct gtttcaggga acaaaaagat tttagctgac 120
agcagagagc accacataca ttagaatggg aaggactgac acctccttca agaacaggag 180
tgaggggtgt ggtgaatggg aatggaagcc tgcattccct gatgcatttg tgcctctca 240

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aatcctgtct	tagtcttagg	aaaggaagta	aagtttcaag	gacgggttcg	aactgctttt	300
tgtgtctggg	ctcaacatgc	tatcccgggg	ccatggcggg	cgggagcatg	cgacgtcggg	360
cccaattcgg	cctatagtga	gtcgtattac	aattcaatgg	ccgtcgtttt	acaacgtcgt	420
gactgggaaa	anctggggtt	taaccaaact	aatcgcttgg	cagcacatcc	ccctttccca	480
gctgggctaa	tanccgaaaag	gcctcgca				540

<210> 183

<211> 117

<212> DNA

<213> Homo sapien

<400> 183

gatttaagct	gcaacactgt	ggaggttagcc	ctggagcaag	gcaggcatgg	atgcttctgc	60
aatcccccac	tggagcctgg	tatttcagcc	aggaatctga	gcagagcccc	ctctaatctg	120
agcaatgata	agttattctc	tttgttcttc	aactttccaa	tagccttgag	cttcacagggg	180
agtgtcctta	atcattacag	cctggtctcc	acagtgttgc	agcgtaa		240

<210> 184

<211> 225

<212> DNA

<213> Homo sapien

<400> 184

ttacgtctga	acactgtgga	gcagattaac	atcagacttt	tctatcaaca	tgaactgggtg	60
tactaaaaag	acaacaaatc	aatggcttca	aaagtctaac	gaataatttc	gataacttcaa	120
ctttataaaa	cctgacaaaa	ctatcaatca	agcataaaga	cagatgaaga	acattttccag	180
attttggcca	atcagatatt	ttacctccac	agtgttgcag	cgtaa		240

<210> 185

<211> 597

<212> DNA

<213> Homo sapien

<400> 185

ggcccgacgt	cgcattgtcc	cgcccgccat	ggcccgggga	ttcgttaggg	tctctatcca	60
ctgggaacca	taggttagtc	agagtattta	gagttgagtt	cccttctgct	tcccagaatt	120
tgaaaagaaa	ggagttaggt	gatagagctg	agagatcaga	tttgctcttg	aagcctgttc	180
aagatgttat	tgcacagacc	ccaccactgg	ggcctgtggg	tgaggtcctg	ggcatctatt	240
tgaatgaatt	gctgaagggg	agcaatctgc	caaggaaggg	gaacccatcc	tggcaactggc	300
acaggggtcc	ccctatccag	tgtcagtgcc	ttctttgctg	ctacctgggt	ttctctcata	360
tgtgaggggg	agutaagaaa	aagtgcctcg	tgttgtgcga	gttttagaac	atctaccagt	420
aagtgggaaa	gtttccacaa	gcagcagctt	tgttttgtgt	attttcaact	tcagtttagaa	480
gaggaaggct	gtgagatgaa	tgttagttga	gtggaaaaga	cggttaagct	tagtggatag	540
agacccctaa	gaatcaactag	tgccggccgc	ctgcaggtcg	accatatggg	agagcttc	600

<210> 186

<211> 547

<212> DNA

<213> Homo sapien

<400> 186

ggcccggaagt	tgcattgtcc	cgcccgccat	ggcccgggga	ttcgttaggg	tctctatcca	60
ctacctaaaa	aattccaaaa	atataactga	actcttcaca	ccccatttga	ccaatccatc	120
accccagagg	cctacagatc	ctcctttgat	acataagaaa	atttccccaa	actacctaac	180

tatatcattt	tgaagattt	gttttaacaa	atthtgatgg	cctttctgag	cttgctcagt	240
tgaaccacta	ttacgaacga	cggatatta	actgcccctc	acggtccagg	tgtagctggc	300
aacatcaagt	gggttaata	ttcatttaagt	tttcacctac	taagggtgctt	aaacaccccta	360
gggtgcacatg	tcggttagag	atcttttgat	ttgtttttat	ttcccataag	ggtccctgttc	420
aagggtcaatc	atcactgtag	tgtgagcagc	tagtcactat	cgcctgactt	ggaggggtgat	480
aatagaggcc	tcctctgctg	ctaaagaaat	cttggtcccag	cctgtcaaaag	tggatagaga	540
ccctaangaa	tcactagtgc	ggccgcctgc	aggtcgacca	tatggggagag	ctcccaa	600

<210> 187

<211> 184

<212> DNA

<213> Homo sapien

<400> 187

tcgttagggt	ctctatccac	ctgcaggtaa	aatccaatcc	tgtgtatata	ttatagtctt	60
ccatattgtac	tgtttcaaga	gactgcagtt	ccagaaagac	tagccgagcc	cattccatgtc	120
ttccacttaa	ccctgctttg	ggttacacat	cttaactttt	ctgttcaagt	ttctctgtgt	180
agttttatag	atcagtattg	ggawaatgac	ctgaaacctg	acatgagatc	tgggaaaacac	240
aaaacttactc	aataagaatt	tctcccatac	ttttatgatg	gaaaaatttc	acatgcacag	300
aggagtggat	agagaccta	aaga				360

<210> 188

<211> 178

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(178)

<223> n = A,T,C or G

<400> 188

ggcgggggat	tcgggtgat	acctcccat	gcacaaatac	aacgtntaat	ttcacaaactt	60
gccttcacat	ttacgcattt	tcattttgt	ctcccccattt	gttgagtcac	aacaaacacc	120
attgcacaga	aacatgtatt	acctaacatg	cacataactct	taaaaactact	cattccctt	178

<210> 189

<211> 367

<212> DNA

<213> Homo sapien

<400> 189

tgcacaccttg	tcagacatct	gacacagctct	tggctctttgg	aaaaatattgg	ataaatgaaa	60
atgaatttct	ttagcaagtg	gtataagctg	agaatatacg	tatcacatat	cctcattctta	120
agacacacac	agtgctccctg	aaattagaat	aggacttaca	ataagtgtgt	tcactttctc	180
aatagctgtt	attcaattga	tggtaggcct	taaaagtcac	agaaatgaga	gggcatgtga	240
aaaaaaagctc	aacatcactg	atcattagaa	aaattccatt	caaaccccca	atgagatacc	300
atctcacaac	agtcagaatg	gctattatta	aaaagtcac	aaataacaga	tgctggacaa	360
ggtgtca						367

<210> 190

<211> 369

<212> DNA

<213> Homo sapien

<220>
 <221> misc_feature
 <222> (1 ... (369)
 <223> n = A,T,C or G

<400> 190

gacacotttg	ccaggcatctg	acaaagctaa	cagcctgagg	agatctttat	ttattttatt	60
agttttttac	ctggctaggg	agatggtggg	taaaacatto	atttaccat	ttatttcatt	120
aattgtttct	gcaaggctta	tggtatagagt	attgtccagc	actgctctgg	aagctaggag	180
catggggatg	aaacagatag	gtacatcct	gttccacag	aactccact	ttagtctggg	240
aaacagatga	tatatacaaa	tatataaatg	aattcaggtg	gttttaagta	cgaaaagaat	300
aagaaaacag	agtcattgatt	tanaatgctg	gaaacagggg	ctattgcttg	agatattgaa	360
ggtgcccga						369

<210> 191
 <211> 369
 <212> DNA
 <213> Homo sapien

<400> 191

tgacacotttg	ccaggcatct	gcaacagggaa	aagaaaactat	tatcagagtg	aacaggccaac	60
ctacagaatg	ggagaaaaatt	tttgcattct	atccatctga	caaaggggta	atatccagaa	120
ctacaaaaga	acttatacaa	atttacaaga	aacaaaacaaa	caaaccaactc	ctcaaaaaagt	180
gggtgaaggga	tgtgaacaga	caattctcga	aagaagacat	ttatggggcc	aacaaaacata	240
tgaaaaaaag	ctcatcatca	ctggcgaacta	gataaatgca	aatcaaaaac	acaatgagat	300
accatctcat	ccaggttaga	atggcaatca	ttaaaaagtc	aggaaaacaac	agatgctgga	360
caaggtgctc						369

<210> 192
 <211> 449
 <212> DNA
 <213> Homo sapien

<400> 192

tgacgcttttg	ccacttgaca	cttcattcttt	gcaacagaaaa	acttctttac	agattcaatt	60
caagactcgt	ctagtgaacg	tcctccagac	atcttttcat	ttgttccata	taagtgggaat	120
tttaaaatca	tgtttcatca	gtttgaaatg	atctgggctg	ctaatacaaca	caattgggac	180
gactgtttca	ctaaaacaaca	ggaaaatgtg	tatctgggag	ccgtgtggaga	aacactaaac	240
attgatcttt	ctttgccttc	taaggacttc	gttccagcta	catgtaatac	caagttctct	300
tcaagaggag	aaatgtttga	tcttcatttg	tttctaccag	actgccaacc	tagtaaatat	360
tcctttattta	tgttgggtaaa	aaattgccaat	ccaaaataaga	tgattccatga	tactgggtatt	420
ccgtcttaagt	gtcaagtggtc	caaggctca				449

<210> 193
 <211> 372
 <212> DNA
 <213> Homo sapien

<400> 193

tgacgcttttg	ccacttgaca	ccagggatgt	akcagttgaa	tataatcctg	caattgtaca	60
tattggccaat	ttccatcaca	acattctaga	aagagacaaac	caggatttgt	aggccataaa	120
agctgcaata	aataaactgg	aattgcagta	atcattttcag	gccaattcaa	tcaggttttg	180
ctcagaggtg	ccctttggctg	agagaagagg	tgagatatata	tgtgtttttct	tgcaacttct	240

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tggaagaata actccacaat agtctgagga ctagatacaa acctatttgc cattaaagca 300
ccagagtctg ttaattccag tactgataag tgttggagat tagactccag tctgtccaagt 360
ggccaagcgt ca 372

```

```

<210> 194
<211> 309
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(309)
<223> n = A,T,C or G

```

```

<400> 194
tgacgcttgg ccacttgaca cttatgtaga atccatcgtg ggctgatgca agccctttat 60
ttaggcttag tcttctgggc acctccaata ccacactaga gacaaaagcc accagatctg 120
cagaaacatt cactctctgan cactcgaatg gcaggataac ttttctgtgt gtaactcctc 180
acatatacaa aaacaaaact cgcantctca cgttacaaaa aaacgtactg ctgtaaaaata 240
ttaagaaggg gtaaaaggata ccactctataa caaagtaact tacaactagt gtccaagtggc 300
caagcgtca 309

```

```

<210> 195
<211> 312
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(312)
<223> n = A,T,C or G

```

```

<400> 195
tgaagcttgg ccacttgaca cccaatctcg cacttcctcc tcccagcacc tgatgaagta 60
ggactgcaac tatccccaat tcccagatga ggggaccaan gtacacatta ggaccgggat 120
gggagcacag atttctccga tcccagactc caagcactca ggcctcactc aggacagcgg 180
ctttcacata aggtcacaaa catgaatggc tccgacaaac ggagtccagt cgtgctgagt 240
taaggcaatg gtacacagga tgcacgtgtn acctgtaatg gttcctcgtc agtgtccaagt 300
ggccaagcgt ca 312

```

```

<210> 196
<211> 288
<212> DNA
<213> Homo sapien

```

```

<400> 196
tgtatcgaag tagtggctct ctcagccatg cagaactgtg actcaattaa acctctttcc 60
tttatgaatt acccaatctc gggtagtgct tttatagtag tctgagaatg gactaatata 120
agtacatttt acttagtaat aataataaac aaatatatta catttttctg tatttactac 180
accatactct ttactgttat tctagtgtac acctctactc tattaaaaga aataggcccg 240
aggcgggcac atcccgaggt caggagatgg agaccactac gtccatac 288

```

```

<210> 197
<211> 289

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<110> DNA
 <113> Homo sapien

<400> 147

ttggggacac	tcaatatcat	gacaggtgat	gtgataacca	agaaggctac	taagtgatta	60
atgggtgggt	aatgtataca	gagtaggtac	actggacaga	ggggtaatc	atagccaagg	120
caggagaagg	agaatggcaa	aacatttcat	cacactactc	aggatagcat	gcagttttaa	180
acctataagt	agtttatctt	tggaattttc	cacttaatat	tttcagactg	caggttaacta	240
aactgtttaa	cacaagaaca	tagataaggg	jagaccacta	cgtcgatac		300

<110> 148

<111> 288

<112> DNA

<113> Homo sapien

<400> 148

gtatcgacgt	agtgtctctc	caagcagtg	gaagaaaacg	tgaaccaatt	aaaatgtatc	60
agatacccca	aagaaaaggc	cttgagttaa	gattcccaagt	gggtccacaat	ctcagatctt	120
aaaattcagc	ctgtcacaaga	gatttgotat	gaggttgctc	tcaatgactt	caggcacagt	180
cggcaggaga	ttgaagccct	ggccattgtc	aagatgaagg	agctttgtgc	catgtatggc	240
aagaaagacc	ccaatgagcg	ggactcttgg	agaccactac	gtcgatac		300

<110> 149

<111> 1027

<112> DNA

<113> Homo sapien

<220>

<221> misc_feature

<222> (1)...(1027)

<223> n = A,T,C or G

<400> 149

gctttcttgg	aaaaacncaa	ntggggggaaa	gggggntttn	tngcaagggg	ataaaggggg	60
aancccaagg	tttcccccatt	cagggaggtg	taaaaagncg	gcccaggggat	tgtaanagga	120
ttcaataata	gggggaatgg	gcccngaagt	tgcagggttc	cngcccggca	tgnccggggg	180
atttagtga	attacgaagc	tggttaataa	gtgggsccaa	waaatatttg	tgatgtgatt	240
tttsgaaccg	tgaaccccatt	gwacaggacc	tcatttccty	tggatgrrta	gccataatca	300
gataaaaagt	caaaagtytt	tctgcacgtt	aacagcatca	ttaaatggag	tggcatcacc	360
aatttcaccc	tttgtttagcc	gatacccttc	ccttgaaggg	attcaattta	gtgaccaatc	420
gtcatacagc	aggggatggc	atggggattg	atgatgatat	caggggtgat	accttcacag	480
gtgaaagcca	tcacccctctg	tctatactga	ataccacaag	tacccctttg	accatgttga	540
ctagcaaat	tgtctccaat	ctgtgtwata	cctaacagag	cgtacccctta	ttttacaaaa	600
tttatatcct	tcctgattga	gagttaccat	aacctgatcc	acaatggccg	tctcgtwgt	660
tctgagaaaa	gctctacagt	ctctcttggg	atagcgtcta	ttgggtctct	ccaattccatc	720
ttcatttttc	agccaagggtg	aactgtttttg	cctataataa	cmtcatctcc	tgatacmoga	780
aaaccccagg	ctatccaaaac	catacatcctc	cagcgttctk	watgtymcta	aatccctatt	840
ggggccctct	ggaggtcaac	atatnggaaa	accccccacc	ccttnggagc	ntaccttgaa	900
ttttccatat	gtccctntaaa	ttanctngnc	ttanccctggc	cntaacctnt	tcgggttttaa	960
attgtttccg	ccccctttcc	ccccctttna	acgggaaaac	ttaattttta	acnnggggtt	1020
cctatct						1027

<110> 240

<111> 207

<212> DNA
 <213> Homo sapien

<400> 110
 agtgacatta ggcggctggc catcttgaat cctagggcat gaagttggcc caaagttcag 60
 cacttgggga agcctgatac ctctggttta tcacaaagaa taggatggga taaagaaagt 120
 ggacacttta ataagctata aatttatatg tocttgtota gcaggagaca actgcacagg 180
 tataactaca ggtctgtaat gtcacta 207

<210> 101
 <211> 109
 <212> DNA
 <213> Homo sapien

<400> 101
 tgggcacatt caatatctat taaaagcaca aatactgaag aacacaccaa gactatcaat 60
 gaggttcaat ctggagtctt cgatatatca ggaaaaaatg aagtgaacat tcacagaggt 120
 ttactttttt gggaaactca atgctagaaa agaaaagggt gccctcttct tctggcttcc 180
 tggctctatc cagcgtctga atgtcacta 209

<210> 102
 <211> 349
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(349)
 <223> n = A,T,C or G

<400> 102
 ntacgtgca aacctgtgga gccactgggt tttattcccg gcaggtttat cagcaaacag 60
 tcactgaaca caccgaagac cgtggtatgg taacggttca cagtaatcgt tccagtctc 120
 tgcgggaacc caacgagcgt cactgggtac agaacagatt cagccggaag agaaagcgcc 180
 gcagggaqar aatcgaactc cactccgctg gtgagcagcc ccattgtttc aactcgaagt 240
 tcaaaaccca ttgggttata taccatcagc tgaacttca acacatctcc ttgaacccac 300
 tggaaatcta ttctcttgtt ccgtctctct ccacagtgtt gcagcgtaa 349

<210> 103
 <211> 141
 <212> DNA
 <213> Homo sapien

<400> 103
 tgcctctctt gctttaccaa cccaaaagccc actgtgaaat atgaagtga tgcacaaatt 60
 cagttctcaa cgaatatatg tatagtttat ctgattcttt tgatctccag gacactttaa 120
 acaactctta ccaaccacac caacctaggg atttaggatt cccacagac cagaaattat 180
 ttctctctta agtttcaggc toctctggga ctctgttca tcaatgggtg gtaaattggt 240
 a 241

<210> 104
 <211> 148
 <212> DNA
 <213> Homo sapien

<400> 204

tagccattta	ccacccatct	gcacacccswg	acmwwcargr	cywgwackya	ggcgatttga	60
agtactgyna	atgctctgat	catgttagtt	acataagttg	ggtcagttta	caaaaaattca	120
cagaactaaa	tactcaatgc	tatgtgttca	tgtctgtgtt	tatgtgtgtg	taatgtttca	180
attaagtttt	tttaaaaaaa	agagatgatt	tcacaaataag	aaagccgtgt	tggttaaggca	240
agaggaga						246

<210> 205

<211> 505

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)..(505)

<223> n = A,T,C or G

<400> 205

taagctgcac	caactgtggag	ccatttcatac	aggtcacctaa	tttaagggaaca	agtgattatg	60
ctacctttgc	acagtttaggg	tacccggggcc	gttaaacatg	tgtcactggg	caggcgggtgc	120
ctctaatact	ggtgatgcta	gaggtgatgt	ttttggtaaa	caggcgggggt	aagattttgc	180
gagttccctt	tacttttttt	aaccttttct	tatgagcatg	ccgtgtgttg	gttgacagtg	240
ggggtaataa	tgaactgttg	gttgattgta	gatattgggc	tgtaattgt	cagttcagtg	300
ttttaatctg	acgcaggctt	atggggagga	gaatgttttc	atgttaactta	tactaacatt	360
agttcttcta	tagggtgata	gattgggtcca	attgggtgtg	aggagttcag	ttatatgttt	420
gggatttttt	aggtagtggg	tyttganctt	gaacgttttc	tttaattggtg	gttgccttta	480
ngcctaacta	gggtggtaaa	tggct				505

<210> 206

<211> 174

<212> DNA

<213> Homo sapien

<400> 206

tagacttact	catctccctt	acccaaagccc	atgtaaggag	ctgagttctt	aaagactgaa	60
gacagactat	tcctctggaga	aaaataaaaat	ggaaattgta	ctttaaaaaa	aaaaaaaatc	120
ggccgggcat	ggtagcacac	acctgtaatc	ccagctacta	ggggacatga	gtcagtcta	174

<210> 207

<211> 176

<212> DNA

<213> Homo sapien

<400> 207

agactgaact	atctccctta	ccccaccttc	tgtgtgtgtg	ccgtgttctt	aacaggtcac	60
agactggtaa	tgttcagttg	ccctgggggtt	ggggacctct	attatatggg	atacaaatct	120
aggagttaga	attgacacga	tttagtgact	gatgggatat	gggtggtaaa	tggcta	176

<210> 208

<211> 176

<212> DNA

<213> Homo sapien

<400> 108
 agactgacac atgtcccccata tttaacaggg tctctagtgc tgtgaaaaaa aaaaatgctg 60
 aacattgcac ataaattata ttgtaagaaa taactgtacaa tgactttatt gcattctgggt 120
 agctgttaagg catgaaggat gccaaagaagt ttaaggaata tgggtggtaa atggctaggg 180
 gacatgagtc arcteta 240

<210> 109
 <211> 345
 <212> DNA
 <213> Homo sapien

<210>
 <221> misc_feature
 <222> (1)...(345)
 <223> n = A,T,C or G

<400> 109
 gacgtctggg caattgacac cttttatttt ttaaggatto ttaagtcatt tangtnactt 60
 tgtaagtctt tctgtgtgccc ccataagaat gatagcttca aaaattatgc tggggtagca 120
 aagaagatcc ttctagcttt agaatgtgta ggtatagcca ggattcttgt gaggaggggt 180
 gatttagayc aaattttotta ttctccttgc ctcatctgta acatggggat aataatagaa 240
 ctggcttgcac aaggttggaa ttagtattac atggtaaaata catgtaaaat gtttagaatg 300
 gtgcacaagta tctaggaagt acttgggcat ggggtggtaaa tgggt 345

<210> 110
 <211> 178
 <212> DNA
 <213> Homo sapien

<400> 210
 gacgtctggg caattgacac tagagttagg tttggccaac tttttctata aaggaccaga 60
 gagtaaatat ctgaggcttt gtgggtctgt cagctctctt tgcacactact cagctctgpc 120
 attgtaacat agaaatcagc catagacagg acagaaatga atgggtggta aatggcta 178

<210> 111
 <211> 454
 <212> DNA
 <213> Homo sapien

<400> 111
 tgggcacctt catatctat ccagcgcac taaattcgct ttttcttga ttaaaaaatt 60
 caccacttgc tttttttgct catgtatacc aagtagcagt ggtgtgagga catgcttgtt 120
 ttttgatttc atctcagcac cgtataagag cagtgccttg gccattaatt tatcttcatt 180
 gttagacagc tagtgttagc tggatatccc ataactatct ggaatatttg gatcagtgcc 240
 atgttcacagc aaatttaag cacattcacc ttcttggcat tgtacggcct ttgtcagagc 300
 tgtcctcttt tttttgtcaa ggacattaag ttgacatcgt ctgtccagca cgagtcttac 360
 taactctcaa tttccatttg cagaggccag atgtagagca gtctcttttt gcttgtccct 420
 cttgttcaca tcaagtgtcc tgagcataac ggaa 454

<210> 112
 <211> 337
 <212> DNA
 <213> Homo sapien

```

#400> 212
tcggtttatg caccacagaaa acctactgga gttactttatt aacatcaagg ctggaaccta      60
tttgccctag tctatatctga ttcattgagca catgggttatt actgatcgca ttgaaaaat      120
tgatcaatg ggtttcttta ttatcgact gtgcatgac aaggaaaactt acaaaactgca      180
acgcagagaa actattaaaag gtattcagaa acgtgaagcc agcaattgtt tcgcaattcg      240
gcattttgaa aacaaatttg ccgtggaaac ttttaattgtt tcttgaacag tcaagaaaaa      300
cattattgag gaaaattaat atcacagcat aacggaa      337

```

```

#210> 213
#211> 715
#212> DNA
#213> Homo sapien

```

```

#220>
#221> misc_feature
#222> (1)...(715)
#223> n = A,T,C or G

```

```

#400> 213
tcgggtgatg cctctcagg catcttccat ccctctcttc aagattagct gtcccaaatg      60
tttttctctc tcttctttac tgataaatctt ggaactcttc ttgacactga tgacagcttc      120
agtatctctc ttgtcacctt gcagacttta aacataaaaa tactcattgg ttttaaaagg      180
aaaaaaagta acattagcac tattaagctt ggcttgaaa cttttcttat cttttattaa      240
atgtcggtta gctgaacaga attcatttta caatgcagag tgagaaaaaga agggagctat      300
atgcatttga gaatgcgaagc attgtcaaat aaacatttta aatgctttct taaagtgcgc      360
acatacagaa atacatttaag atattagaaa gtgtcttttc ttgtgtacta ctaattaggg      420
aagcaccttg tatagttcct cttctaaaaa tgaagttagat tttaaaaacc catgtaattt      480
aattgagctc tcagttcaga ttttaggaga attttaacag ggattttggtt ttgtctaaat      540
ttttgcactc ttttagtcta atctgtataa ttttataaat gtcaaaactgt atttagtcog      600
ttttcatgct gctatgaaaag aaatacccaan gacagggtta tttataaang gaaagangtt      660
aatttgactc ccagttcaca ggctgagga ngnatcccc gaaatcctta ttggg      715

```

```

#210> 214
#211> 345
#212> DNA
#213> Homo sapien

```

```

#220>
#221> misc_feature
#222> (1)...(345)
#223> n = A,T,C or G

```

```

#400> 214
ggtaangngc atactctggt gctccggcgg ccggagtcgg gggattcggg tgatgcctcc      60
ccaggcccaa ttgggctgca ttttcccaaa tggcagctcc tctggacatg ccattccttc      120
tcccacctgc ctgattcttc atatgtttgg gtctccctgtt tttctggctc tatttctgca      180
ctgtctgaca gctgcacatg tcttgcaaaag cctgcctttt taaatgcctc accattcctt      240
catttgttct ttaaatatcg gaagtgaag tgcacactga ggccgggcac agtggctcac      300
gcctgtaatc ccagcacttt gggagcctga ggaggcatca ccgca      345

```

```

#210> 215
#211> 429
#212> DNA
#213> Homo sapien

```

<400> 215

ggtgatgctt	cttcaggaga	agctcaggga	ggacagaaaac	ctcccggtgga	gcagaagggc	6
aaaagctcgt	ttgatcttga	ttctcagtae	gaatacagac	cgtgaaaagcg	gggcctcagc	12
atccttctga	ctctcttgggt	tttaagcagg	aggtgtcaga	aaagttaacca	cagggataac	18
tggctcttgg	cggccaagcg	ttcatagcga	cgtcgtcttt	tgatccttcg	atgtcggctc	24
ttcctatcac	tgtgaagcag	aattcaccaa	gggttggatt	gttcacccac	taatagggaa	30
cgtgagctgg	gtttagaccg	togtgagaca	ggttagtctt	acctactga	tgatgtgtcg	36
ttgcacatgg	aattctgtct	agtaagagag	gaacgcgagg	ttcacacatt	tgggtgtatgt	42
gcttgctt						48

<210> 216

<211> 593

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(593)

<223> n = A,T,C or G

<400> 216

tgacacctat	gttcngcctc	tgttcacagt	ttccacaaat	agccagcctt	tggccacctc	60
tctgtcctga	ggtatacaag	tatatcagga	ggtgtatacc	ttctctcttc	ttcccccacca	120
aagagaaact	gcaggctctg	gaagctgtct	taggagcctt	tgggctcaga	atttcagagt	180
cttgggtacc	cttgatgtcg	tctggaagga	gaacatttgg	ctctggataa	ggagtacagc	240
cggaggagng	tcacajagcc	ctcagctcaa	gcctctgtgc	cttagtctaa	aagcagcttt	300
ggatgaagaa	gcaggttaag	taacatacgt	aagcgtacac	aggtagaaaag	tgtctgggagt	360
cagaatttga	cattgtgtag	gagtagtacc	tcacatcaatg	agggcacaatc	aactgaaaaga	420
agaagaacna	ttatgaatt	gottangggg	aaggatcaag	gctatcatgg	agatctctct	480
aggaagatta	ttctctanaa	ttatgaaaag	antagggcag	ggacagggcc	agaagtanaa	540
ganaacattg	cctatanccc	ttgtcttga	cccagatgct	ggacaagggtg	tca	600

<210> 217

<211> 335

<212> DNA

<213> Homo sapien

<400> 217

tgacaccttg	tcagcactct	gaagtgaaga	tgagcagctc	agaggaggtg	tcctggattt	60
cctgggtctg	tgggtccctg	ggcaatgaat	tctctcttga	agtggatgaa	gaactacatcc	120
aggacaaatt	taattctact	ggaactcaatg	agcaggtccc	tcactatcga	caagctctag	180
acatgatctt	ggacctggag	cctgatgaag	aactggaaga	caacccccac	cagagtgaac	240
tgattgagca	ggagagcgag	atgctttatg	gattgatcca	cgcctcgtac	atccttacca	300
acgttgctat	cctccagatg	ctggacaagg	tgtca			335

<210> 218

<211> 243

<212> DNA

<213> Homo sapien

<400> 218

taogtaactgg	tcttgaagggt	cttaggtaga	gaaaaaatgt	gaatatttta	tcaaagacta	60
tgtatgaaat	gggaactgtaa	gtacagaggg	aagggtggcc	cttatcgcca	gaagtttgta	120

```

gatgggtccc cgtcatgaaa tgttgtgtca ctgcccagaa tttggcgaat tactgaaatt 180
ccgttagaatt agtgcgaatt ctaaagttgt tcatcctaaga ttatgggttc atgtttctag 240
tactttta

```

```

<210> 119
<211> 530
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

```

```

<400> 119
tgaagcttgg ccaacttgaca caagtagggg ataaggacaa agaccacatna ggtgggctgt 60
cagccttttg ttaactgttgc ttcctgttca ccaaggcccc ctctgtaggg gtgtgtgtgt 120
ctctgtggag attggttgc attcacacat accattctct ctctgttca cagcagtcct 180
gagggggag cacacaggac taactgttca gatgangata atgatgtctg gccaaactac 240
cccccaact tctcactagt tatangaaga gccangccta naactctcta tctgncccc 300
ttgcccctat acctcatccc tgttccatgc cctattctga tttctggtga actttggagc 360
agcctggttt ntctctctca ctccagcctc tctccatacc atgggtanggg ggtgtgttct 420
caacaaaang gtcaggtgtg tctggggaat cctnananct gccnggagtt tccnangcat 480
tcttaaaaaa cttcttgcct aatcanatng tgtccagtgg ccaacccctn 530

```

```

<210> 220
<211> 531
<212> DNA
<213> Homo sapien

```

```

<400> 220
tgaagcttgg ccaacttgaca ctaaaatagca tctttctaaag gcttgattca gagttgttga 60
aaattctccc actgtccaggg atctgcaggga acagggtctg tctgtgtctc actttacctg 120
ctgtgtttct gctggaaaag gagggaagag gaatggctga tctttacctc atgtctccca 180
gtttttctca tctttcttgg atctctctct ctgacaaact ttccttttct gtcttctct 240
tcttgctcag agagcaggtc tctttaaaaa tgagaaggga gaatgagcaa atgattaaag 300
aaaacacact tctgaggccc agagatcaaa tattaggtta atactaaaac gcttgctctg 360
tgttggtact tttctctct ttcacatgct ctatcctct atccccccc tattcatatg 420
gcttttatct gccaaagttat ccggcctctc atcaaccttc tcccttagcc tactggggga 480
tatccatctg gatctgtctc tgggtgtattg gtgtcaagtg gccaaagctc a 531

```

```

<210> 331
<211> 530
<212> DNA
<213> Homo sapien

```

```

<400> 331
attgaagctt ggcacacttga caccggcctg cctgcaatac tggggcaagg gcttcaactg 60
ctttctctgc accagctgcc actgcacaca gagatcagaa atgctaccaa ccaagactgt 120
tggctctcag cctctctgag gagaaaagag agaagccttg aagtacgaag agaagctaga 180
tcggctacgg ccttggcagc cagcttcccc acctgtggca ataaaagctg gcatggctta 240
acaatggggg caactcttga gaaaacacatt gttaggcaat cgggctgtgt ttcctcagag 300
catatttaca caaaccttga tagtgcagcc tactatccac cattgtctct acgctgcaaa 360
cctgaacagc atgggactgt actgaatact ggaagcagct ggtgatggtc cttatttgtg 420

```

```

tatctaaaca cagagaaggt acagtaagaa tatggtatca taaacttaca gggacccgca 480
tcttatatgc agtctgttgt gacaaaaatg tgtcaagtgg ccaagcgtca 520

```

```

<210> 212
<211> 518
<212> DNA
<213> Homo sapien

```

```

<210>
<211> misc_feature
<212> (1)...(578)
<213> n = A,T,C or G

```

```

<400> 122
tgtatcgacg tantggtctc cgggctacta ggcggttggt tcttggtagt aactgggttca 60
ctgaaaagctg catctccctc ccgcggtcgc cctgaagcag ggggaggact tctcccagcc 120
aaggcagtttg tatgagtttt agctggcgca cttcgagacc tctgagccca cctccttcag 180
gagccttccc ccatthaagg agccagggtg aggattcctt cctcccccag acaccacgaa 240
caaaccccca cccccctat tctggcagcc catatacacc agaacgaaac aaaaataaca 300
aataaacnaa aacccaaaaa aaaagagaag gggaaatgta tatgtctgtc catcctgttg 360
ctttagcctg ccagctccta nagggcaggg aactgtgtct ccgaatggtc tctgcagcgc 420
cgactgcggg aactatcgga ggaggaagca gactcagcag aagttgaacg gtgggcccgg 480
cggtctcttg gggctggtgt tctaacttga gacgctttc gctttctgtc cttagattac 540
gtctgctatc tggagtggga naaccactac tcnatata 578

```

```

<210> 123
<211> 578
<212> DNA
<213> Homo sapien

```

```

<400> 123
tgtatcgacg tantggtctc ctcttgcaaa ggactgggtg gtgaatgggt cctctgaatt 60
atggacttac cttaaacata tcttatcacc attaccagct gcaaaatatt agaattgtgt 120
gtcactgttg catctgattc ctagaagggt agtcttagat atgttacttc aactgttatg 180
ctgtagtgct ctgaatgcac tttttgtttg catttttggt tgcaccaact gccaattata 240
gctgcttagg tctggaactgt cctggataaa gctgttaaaa tattccaccg tccagccacc 300
ttacaagcta attaaagtcac ctaaatgctt ccttggtttg ccagacttgt catgtcaacc 360
ctcaattctt ggggttcattt tgggtgcctt aaatcttagg gtgtgaactt cttagccatc 420
tgtaacctcc attcccaagc aagcacaact ccacataata cttccagaa gttcattgtt 480
gaagcccttc ctccaccacg cggagcaact tgattttcta caacttcctt catcagagcc 540
acaagagtat gggatatgga gaccactacg tcnatata 578

```

```

<210> 124
<211> 545
<212> DNA
<213> Homo sapien

```

```

<210>
<211> misc_feature
<212> (1)...(345)
<213> n = A,T,C or G

```

```

<400> 124
tgtatcgacg tantggtctc ccaaggtgct gggattgcag gcatgagcca ccactcccag 60

```

gtggatcttt	ttcttttatac	ttacttccatt	agggtttctgt	tattcaagaa	gtgtagtggg	120
aaaagtcttt	tcaatctaca	tggttaaata	atgatagcct	gggaaataaa	tagaaatttt	180
ttcttttcac	tttaggttga	ataaagaaa	agaaaaata	gaacatactg	aaaataactt	240
aagttccaac	catagaagaa	ctgcagaaga	aatgaagaaa	gtgatgatga	tttagatttt	300
gatattgatt	tagaagacac	aggaggagac	cactacgtcg	ataca		345

<210> 225

<211> 347

<212> DNA

<213> Homo sapien

<400> 225

tgtatcgacg	tagtgggtctc	baaactgagg	tatgtgtgcc	actagcacac	aaagccttcc	60
aacagggaacg	caggcacagg	cagttttaaag	ggaatctggt	cttaaatbaa	tttccacctt	120
ctctaaghat	ctcttcttaa	aactgatcaa	ggtgtgaagg	ctgtgctctt	ttccaaactcc	180
cttttgacaa	cagccttcaa	ctaacacaa	aaaaggcatg	cttgacactc	ttcctgagtc	240
tgaactctgt	acttctgtct	gatgtctaaa	gagctccaga	acaccaaagg	gacaattccg	300
aatgctqgtg	tataacagac	tccaatggag	accactacgt	cgataca		347

<210> 226

<211> 381

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(291)

<223> n = A,T,C or G

<400> 226

aggngngpda	ntgtatcgac	gtagtgggtct	cccaacagtc	tgtcattccg	cttgcagggt	60
tcagtgtttt	ggacaatgag	gcacccattgt	caactattga	ctcccccagct	ctaaatgctg	120
aaattaaatc	tttccatgac	aagtctggaa	ttcctgatga	ggtttttaca	agtattcttg	180
atcaatactc	caacaaatca	gaaagccaga	aagaggatcc	tttcaatatt	gcagaaccac	240
gagtgggatt	acacacctca	ggagaccact	acgtcgatac	a		281

<210> 227

<211> 3646

<212> DNA

<213> Homo sapien

<400> 227

gggaaacact	tcctcccaga	cttgtaaggg	ttggagccct	ctccagtata	tgtctgcagaa	60
ttttcccttc	ggttttctcag	aggattatgg	agtcggccct	aaaaaaggca	agctctggac	120
actctgcaaa	gtagaatggc	baaagtttgg	agttgagtg	cccttgaag	ggtcactgaa	180
cttcacaaat	gttcaagctg	tgtggcgggg	tgttactgaa	actccgggac	tccttgatca	240
gttccctcac	atgatcaat	ggctgagttt	ggtcaggaga	accccttcgg	tggctccact	300
catgcacccat	tcataatttt	acctccaaag	tcctcctgag	ccagaccgtg	ttttcgccctc	360
gacccctcagc	cgcttcgggt	cgccctgtac	tgcctctctc	tgaagaagag	gagagtctcc	420
ctcacccagc	ccacccggct	taaaaccaga	ctactccctt	agggtcctcc	catgtctcct	480
cggtctatgtc	ccctgtaggg	tcctccacca	ttgcctcttg	gttgcaacgg	tggctggagg	540
aagtagcccc	tcctactcca	ctgagagagg	cacaagtcct	cttgggtgat	gagtgtccca	600
cccccttcct	ggtttatgtc	ctctctttct	actcttgact	tgtataattg	gaaaaccctat	660
aatcctccct	ctcttgaaaa	gccccaggct	ttgaactcac	tgatggagtc	tgtactctgg	720

acacattggg	ccacctggga	tgactgtcaa	cagtcctttt	tjaccttttt	caactctgaa	730
gagagggaag	gtatccaaag	agaggccaaa	aagtacaacc	tcacatcaac	caataggccg	840
gaggagggaag	ctagagggaat	agtgaattaga	gacccaattg	ggacctaatt	gggacccaaa	900
ttctctcaagt	ggaggggagaa	ctctctgaaga	tttccacogg	tatctcctcg	tgggtattca	960
gggagctgct	cagaaaacct	taaaacttgc	taaggcgact	gaagtctgac	aggggcatga	1020
tgagtcaaca	ggagtgtttt	tagagcaact	ccaggaggct	tatcagattt	acaccccttt	1080
tgacctggca	gccccggaaa	atagccatgc	totttaatttg	gcatttctgg	ctcagggcgc	1140
cccagatagt	aaaaggaaaac	tcacaaaaact	agagggattt	tgtctggaatg	aataaccagtc	1200
agctttttaga	gatagccctaa	aaagttttttg	acagtcaaga	ggttgaaaaa	caaaaaacaag	1260
cagctcaggc	agctgaaaaa	agccactgat	aaagcatcct	ggagtatcag	agtttactgt	1320
tagatccagg	tcatttgaact	tcacctccca	catggtgttt	aaatccagct	acactacttc	1380
ctgaactcaaa	ctccactatt	ctgttctcatg	actgtccagg	actgttggaa	actactgaaa	1440
ctggccgac	tgatcttcaa	aatgtgcccc	taggaaagggt	ggatgcccac	atgttcacag	1500
acagtagcag	cttctctcag	aagggaactac	gaaaggccgg	tgcagctgtt	accatggaga	1560
cagatgtgtt	gtgggctcag	gctttaccag	caaacacctc	agcacaaaaag	gtcgaattga	1620
tcgcccacac	tcaggctctc	cgatggggta	aggtatctaa	cgttaacct	gacagcaggt	1680
acgcctttgc	tactgtgcac	gtacgtggga	ccatctacca	ggagcgtggg	ctactcaact	1740
cagcaggtgg	ctgttaactca	ctgttaaagg	catcaaaagg	aaaaacacgg	tgttgcccg	1800
ggtaaccaga	aagctgattc	agcagctcaa	gatgcagtgt	gaacttccag	caagcctcta	1860
aaactgtctc	ccacagttct	ctttccacag	ccagatctgc	ctgacaatcc	cgcataactca	1920
acagaagaag	aaaaactggc	tcagaactca	gagccaataa	aaatccaggaa	ggttgggtgga	1980
ttcttctctga	ctctagaact	ttcatacccc	gaactcttgg	gaaaaacttta	atcagtcacc	2040
tacagtctac	cacccattta	ggaggagcaa	agctacctca	gtctctccgg	agcgttttta	2100
agatccccc	ttttcaaaag	ctaacagatc	aagcagctct	ccggtgcaca	acctggcgcc	2160
aggtaaatgc	caaaaaagggt	cttaaaaccca	gcccaggcca	ccgtctccaa	gaaaaactcac	2220
caggagaaaa	gtgggaaact	gaactttacag	aagtaaaaa	acacccgggt	gggtacaaat	2280
accttctagt	actggtagac	accttctctg	gatggactga	agcatttgc	acccaaaaacg	2340
aaactgtcaa	tatggtagtt	aagtttttac	tcaatgaaat	catccctcga	catgggctgc	2400
ctgtttgcaa	tagggtctga	taatggagcc	gccttgcgct	tgtctatagt	ttagtccagtc	2460
agtaaggagt	taaaacttca	atgggaagctc	atctgtgcct	atcgacccca	gagctctggg	2520
caagtaggaa	gcattgaactg	caccccaaaa	aacctcttta	caaaattaat	cttagaaaa	2580
ggtgtaaatt	gtgttaagtct	cttctcttta	gcctcaacta	gagtaagggtg	caaccccttac	2640
tgggctgggt	tcttaacttt	tgaatccatg	tatgggagg	tgttgccctat	cttgccctaa	2700
ctaagagatg	cccaatttgg	aaaaatatca	caaaactaatt	tattacagta	cttacagttct	2760
ccccaacagg	tacaagatat	catcctgcca	cttggttcag	gaacccatcc	caatccaatt	2820
cttgaacaga	cagggtccctg	ccattccattc	ccgcacaggtg	acctgtttgtt	tgttaaaaaag	2880
ttccagagag	aaggactccc	tcctgtcttg	aagagaacctc	acacccgtcat	caagatgcac	2940
acggctctga	aggtgggatgg	cattctctgog	tggattccatc	actcccgcat	caaaaaaggcc	3000
aacagagccc	aactagaaaac	atgggtccccc	agggctgggt	caggccctctt	aaaaactgcac	3060
ctaagttggg	tgaagccatt	agattaatte	cttttcttaa	ttttgtaaaa	caatgcataag	3120
cttctgtcaa	acttatgtat	cttaagaactc	aatataaccc	cttgtttata	actgaggaat	3180
caatgatttg	attcccccaa	aaacacaagt	ggggaatgta	gtgtcccaac	tgggtttttac	3240
taacccctgtt	tttagactct	ccctttctctt	taatcactca	gcttgtttcc	acctgaattg	3300
actctccctt	agctaaagag	gcbagatgga	ctccatcttg	gctcttccac	tggcagccgc	3360
ttctccagg	acttaacttg	tgcgaagctga	ctccacgac	atccaaagaat	gcaatttaact	3420
gataagatac	tgtggcaagc	tatatccgca	gttccacagga	attcgtccaa	ttgatccacag	3480
ccctctctacc	cttcagcaac	caaccaacctg	atcagtcagc	agccatccagc	accgaggccaa	3540
ggccctccac	cagcaaaaaag	attctgaactc	actgaagact	tggatgatca	ttagtatttt	3600
tagcagtaaa	gttttttttt	ctttttcttt	ctttttttct	cgtgc		3648

(210): 228

(211): 419

(212): DNA

(213): Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(419)
 <223> n = A,T,C or G

<400> 223

taagagggtta	caagatctaa	gcacagccgt	caatgcagaa	cacagaacgt	agcctggtaa	60
gtgtgttaag	atggggaatt	tttggagta	agagtaagga	acctaacct	agtgggggtt	120
tggtgacggt	ccagatggc	ttacagaaga	aagtgtcctg	agatgagttt	ttagaatga	180
ataaggatag	acacaagtga	ggaatgaatt	ggcagtggtg	aatgggtggg	ggcaaaaaac	240
ctcgcatgta	tggaactgc	acgtacagga	atgaagaatg	agactgtgtg	gtgttttaag	300
agctgcacat	actaatctta	ctctgaaagt	tttgaagagt	taactaaaaa	gtatttttta	360
gtaaggaaat	aacctacat	ctcagggtta	ttgtttgttt	anattattgaa	ggtgcacaa	419

<210> 229
 <211> 143
 <212> DNA
 <213> Homo sapien

<400> 229

aagagggtac	ctgtatgtag	ccatgggtggc	aatgagagac	tgattactac	ctgtgggaga	60
ttgttttaag	gagttaatat	attaaggata	aagggagaca	ggttttttga	ctgtgggaga	120
aggaaattac	agatattgaa	ggtcccaa				149

<210> 230
 <211> 257
 <212> DNA
 <213> Homo sapien

<400> 230

taagagggtta	caaaaaaaa	aaaatagaac	gaatgagtaa	gacctactat	ttgatagta	60
aacagggtga	ctatagtcac	tgataaacta	attatacatt	taacatagag	tgtaattgga	120
ctgtttttaa	ctcgaaggat	aaatgottga	gaggatggat	acccattct	ccatgatgta	180
cttatttcac	attacatgac	tgtatcaaa	catctcatat	acctataaaa	tatgtacacc	240
tactatgtac	ctcttta					257

<210> 231
 <211> 160
 <212> DNA
 <213> Homo sapien

<400> 231

taagagggtta	cggtatttg	ctgatgggat	ttttttttct	ttttttttct	ctggaaaaaa	60
aaatgaaagg	caaaacaaaa	ttattgaaca	aaagacaggg	actaaatctg	gagaaatgaa	120
gtccctccac	ctgaactgca	tttcattcta	ctgaccttc	cagtctaggt	taggagaata	180
gggggtggag	ggatattaat	tgatacaggt	atatttaaag	caactctgca	tgtgtgcacg	240
aagtccatga	tacctcttta					260

<210> 232
 <211> 506
 <212> DNA
 <213> Homo sapien

#220-
 #221- misc_feature
 #222- (1)..(596)
 #223- n = A,T,C or G

#400- 232

tggttccttt	gccttaccaa	ccacaaaatta	gaaccataat	gagatgtcac	ctcatacctg	60
gtgggaataa	cattatctaa	aaaatcagaa	gtattgacaa	ggatgtgaag	aaattagaac	120
atctgtgcac	tgttgggtggg	aatgtaaaaa	aggtgtggcc	actatgggta	acagcatgaa	180
ggtttcctaa	aaaaaatttt	tttaaatcta	ctctatgac	gatcttgagg	ttgtttatgc	240
aaaagaaatg	aaatcaggat	tttgaggaaa	tattcacatt	cccacatcca	ttcttgcttt	300
attcataata	ctcaagagat	ggaacacaac	taaatgtcca	ccccgggatg	aatggataaa	360
ccacagtgtg	tatattgcata	caatgggaata	ttatttagtc	tttaaaaaaga	aaaattctat	420
catatacaca	aaactanatn	aaccttgagg	acacaatgct	nagtgaataa	agccaaggaa	480
ggaagaatac	tctattatto	ccttatatga	agtatctaaa	gtggtcaaac	cttanagca	540
naaagttaaa	atggtggtt	gcaanacagt	tggttaggcn	agaaganaaa	cttant	596

#110- 233

#111- 96

#212- DNA

#213- Homo sapien

#400- 233

tcttctgaag	acctttcggg	actcttaagg	tcttggttgg	taaggcaaga	ggagcgttgg	60
taaggcaaga	ggagcgttgg	taaggcaaga	ggagca			96

#110- 234

#111- 313

#212- DNA

#213- Homo sapien

#400- 234

tgtaagtcga	gcagtgtgat	gataaaaact	gaatggatca	atagttgctt	cttatggatg	60
agcaaaqaaa	gtagttctct	gtgatggaat	ctgtctctgg	caaaaaatgt	gtgaaagtgg	120
ttgaaaagac	aaacaaagagt	ttagagttagt	acataaaatt	agaatagtac	ataaaacttag	180
aatagtacat	aaacttagta	cataaataat	gcacgaagca	ggggcagggc	ttgagagaat	240
tgaattcaat	ttggaaaagag	tatctactgt	aggttagatg	ctctcaaaac	gcacacacac	300
gtctgacata	caa					313

#110- 235

#111- 550

#212- DNA

#213- Homo sapien

#400- 235

aaagaggaca	gatccttaaa	aagaatgttg	agtgaaaaaa	gtagaaaata	agataatctc	60
caaaagtccag	tacattatt	taaacatttt	taaaaaatac	actgataaaa	attttgtaca	120
tttcccaaaa	atcacatagg	aagcacagca	gcattgaatgc	ctatgggrtt	gaggataggg	180
gttggggagt	gggatgggga	taaaggggga	aaataaaaac	agagaggagt	cttacacatt	240
tcattgaacc	aggagtataa	ttatttcaac	tattttgtac	wgaagtccag	aaagagtggg	300
ggcagaaggg	ggagaagagg	gggaagaaac	gtttttggga	gaggggtccc	asaagajaga	360
ttttcgggat	gtggcgctac	atacgttttt	ccaggatgcc	tttaagctctg	cacccctatt	420
ttctcaccac	taataattaga	ttaaaacctt	tgaagacaga	gtctgtgggt	ctcttaactc	480
agcttttcct	ccgtgtcttg	cacacagttag	ctgtttttaca	agggttgaac	tgaactgaagt	540

gagattatttc

550

<110> 236

<111> 425

<112> DNA

<113> Homo sapien

<400> 136

tagactgact	catgtccct	accagagtag	ctagaattaa	tagcacaagg	ctctacaccc	60
aggaactcac	tattgaatac	ataaatggaa	tttattcagc	cttaaaaaagt	ttggaaggaa	120
attctgacat	atgctaaaaa	atggatgaac	cttgaagact	ttatgataag	taaaagaagg	180
cagtcacaaa	aggaaaaata	ttgcattgatt	ccacttatat	gaggtaacct	gagtagtcac	240
tttcatagaa	acacaaaaata	gaatgggtgt	tgcacagggc	tttgaggaaa	aggggaatgac	300
aagttagggg	acatgagtcac	gtctc				315

<110> 237

<111> 373

<112> DNA

<113> Homo sapien

<200>

<201> misc_feature

<202> (1)...(373)

<203> n = A,T,C or G

<400> 137

tagactgact	catgtccct	atctactcaa	catctccact	tgaagtctga	taggcattctc	60
agaattatct	tytcccaaa	caaaactctt	atctctcttc	atcttagtct	ttattctctg	120
tgctgtctta	ccatctctca	aagagtgcac	aaatccacca	agttgctgaa	acagaaatct	180
aagaaatata	cttgattctt	ctctctccca	ctctactcac	ttctaatcca	ttagtaaatc	240
atctgtttca	gaaaaacaaa	ccctctcatgt	ctctactcat	aagggggagt	tgaacaaatga	300
gaacacacag	acacagggag	gggaacatca	cacaccaagg	cccgccaggg	agtangggac	360
atgagtcact	ctc					373

<110> 238

<111> 492

<112> DNA

<113> Homo sapien

<200>

<201> misc_feature

<202> (1)...(492)

<203> n = A,T,C or G

<400> 238

tagactgact	catgtccct	ataatgctcc	caggcatcag	aaagcatctc	aaaactggagc	60
tgacacacag	gcagaggttt	caggttaagtc	acaaaaaggg	tcctaaagaa	tttgccctca	120
atatacagagt	gattagaaga	agtggacaga	gtaccccaag	ttaaacatat	gcagagataaa	180
aaaaatatgg	caattgtgaa	cacacactac	aggaggaaaa	taagggaacat	aatagcatat	240
tgtgtctatta	tgatgatgaa	gaacctctct	anaagaaaaa	ataacccaaag	aaacaaagaa	300
aattctctgcn	aatgtttta	gctatagaag	aaattaacaa	aaacatatat	tcaatgaatt	360
cagaaaaagt	agcaggtcan	aagaaaaaaa	atcaaaagac	agaataatcc	catcttagat	420
tgtcagagtaa	actanaacag	aaagaataac	actggaaaatt	gaattctctac	gtanggggac	480
tgantcantic	ta					492

<110> 339
 <111> 482
 <112> DNA
 <113> Homo sapien

<120>
 <121> misc_feature
 <122> (1)...(482)
 <123> n = A,T,C or G

<400> 339
 tggaaaatat ttaatgatgg gcaaatgtgt gtttaattcc tacatatccc atcatcttct 60
 gtattttttt aaataaattt cttttggatt tttaaagtaa cattattctg agaggtaaca 120
 tggattacat acttctaagg cattaggaga ctctatgtta aaccaaaagg aaatgttact 180
 agatcttcac ttgatcaata ggatgtgata atcatcatct ttctgtctta atggaaaagt 240
 actanaaaca tgyaaccaata atotttagatg aacaacgtta gaatttgcac taattctacg 300
 gaatttcagt aatttgggcaa atgttggggc gtgacacaa atttcatgac ggggaagcat 360
 ctaccaactt ctggcgataa gggcaacoot tccctctgta cttacagtcc catttcatac 420
 acagtctttg attaaatatt cacatttttt ctctacctaa agacottcaa gaccagtaag 480
 ta 482

<110> 340
 <111> 519
 <112> DNA
 <113> Homo sapien

<120>
 <121> misc_feature
 <122> (1)...(519)
 <123> n = A,T,C or G

<400> 340
 tgtatcgagc taatggcttc cccatgtgat agtctgaaat atagcctcat gggatgagag 60
 gctgtgcacc aacccgacac ccgtaaaagg tctgtgctga ggtggattag taaaagagga 120
 aagccttcca gttagatag aggaagggca ctgtctcttg cctgcacctg ggaactgaat 180
 gtcttgglat aaaaaccgat tgtacatttg ttcaattctg agataggaga aaaaccaccc 240
 tatggcgyaa gttgagacat gttggcagca atgtctgcctt gttatgcttt actccacaga 300
 tgttttgagg gacgggaaac taaatctggc ctacgtgcac atccaggcat agtacctccc 360
 tttgaactta attatgacac agattccttt gctcacatgt ttttttgcctg accttctctt 420
 tattatcacc ctctctctct accgcattcc ttgtgtgag ataataaaaa taatatcaat 480
 aaaaacttga nqaaactgg agaccactac gtcgatada 519

<110> 341
 <111> 771
 <112> DNA
 <113> Homo sapien

<120>
 <121> misc_feature
 <122> (1)...(771)
 <123> n = A,T,C or G

<400> 241

tgtatogagg	tagtgggtctc	cactcccgcc	ttgacggggg	tgctatctgc	cttccaggcc	60
actgtcacgg	ccccggggtg	gaagtccact	atgagacaca	ccagtgtggc	cttggttggc	120
tgaagctcct	caagaggagg	tggaacaga	gtgacggagg	gggcagccct	gggttgacct	180
aggacgggtc	gcttgggtcc	tcggccaaac	acgagagtgc	tggtgcttgc	atatgagctg	240
cagtaataat	carctctgtc	ctcagccctg	agcccagaga	tggtccaggga	ggccgtgttg	300
ccanacttgg	agccagagaa	ggatttagaa	acccctgagg	ggcgattacc	gacctcataa	360
atcatgaatt	tggtgggtct	gcttgggtgc	tggtgggtacc	angagacatt	attataacca	420
ccaaagtcc	tcttgggtcc	antgcaggga	aaatggttga	tccnaactgt	caagaaaacc	480
actaagtcca	taccaatcca	ctaattgccc	ggcgcttgca	ggttccacca	tattggggaa	540
naactccccc	cccggttttg	ggattgncat	naacctttga	aattttttcc	tattanttgt	600
ccccctaaaa	tacaactttg	ggcttcaatc	cattgggtcc	atancttctt	tcnccgggtt	660
ttaaaanttg	tttatcccgcc	cccccnatct	cccccccaac	tttccaaaac	ccgaaaacct	720
tnaaatttnt	tnaaacccctg	gggggttccc	nnaattnnan	ttnaanctnc	c	771

#210> 242

#211> 167

#212> DNA

#213> Homo sapien

#400> 242

tgggcacctt	caatatgggg	ctcatogata	acatcacgct	gctgatgctg	ccgttggctg	60
tctctctctg	gaacctctgg	attttcaaat	tctttgagga	attcatccaa	atttatctgc	120
tctctctctt	tctctctctt	tctaaggtct	tctggtacaa	gggttca		167

#210> 243

#211> 338

#212> DNA

#213> Homo sapien

#400> 243

ttggggacct	tcaatatctc	ctgatctaaa	tagtgtgggt	cgaggccctc	tgctctgggc	60
taaaaaacct	tgccacagagt	caatctccac	tttacaatag	aggtaaaaaa	cttacaatgg	120
atattcttga	caagctctgc	atagagacag	caattttaca	caaggtattt	ttcactgtgt	180
taataacagt	gcttttctca	caaccatagg	gtgcccacaa	gggaggagtg	cacagtttgc	240
gaaacacatt	aaatatactg	agacaacact	acttaaccatt	tccgttatag	ctaaccacca	300
gttcaactgt	aatgttatgt	tcttatgggc	aatcaaga			338

#210> 244

#211> 246

#212> RNA

#213> Homo sapien

#400> 244

ttcttggctc	ccatcacaga	cactctcatg	ggaaatgtct	gttctaaggt	caacccataa	60
tgcacaaatc	atcaatatac	ttgaagatcc	ccgtgttaagg	tacaatgtat	ttaatattat	120
cactgatata	attgatccaa	taccagttct	agtctggcat	tgaatcaaat	cactgttttt	180
gttgtaaaaa	aagagaaaata	tttagcttat	atttaagta	catattgtaa	gaaaaaagat	240
gcttatcttt	acatgtctaa	atcatgatct	gtacattggt	gcagtgaata	ttactgtaaa	300
agggaaagaa	gaatgaagac	gagctaagga	tattgaaggt	gcacaa		346

#210> 245

#211> 211

#212> DNA

#213> Homo sapien

<1220>
 <1221> misc_feature
 <1222> (1)...(521)
 <1223> n = A,T,C or G

<1400> 245
 accaatccca cagggatact gagggacaag tatatcates catttccates ctacagcagc 60
 aaattccatga ggcaggagtt attagtccca ttttacagaa gaggaaaactg agacttaggg 120
 agatcaagta atttgcccag gtgcacaaat tagtgataga gccaggggtt gaagcgacgt 180
 ctgtcttaag ccaatgaccc ctgcagatta ttagagcaac tgtctccac aacagtgtaa 240
 gctcttctca anaagctcag gtccacaagg gcagagattt ctgtctgttt tgcctattgc 300
 tcttccccc ttgcttagag caggtctctg caggaancag gttctcaatg catagtatt 360
 aaatgtat at aagagcaaac atatgttaca gagaactttc tgtatgtttg tcaattacat 420
 gaatcacctg tctatgggt atgtctgttc cccantgttg cagatnaaga tattgaangt 480
 gcccaaatca ctanttggtg gcgctgcac gtccacata t 521

<1210> 246
 <1211> 482
 <1212> DNA
 <1213> Homo sapien

<1220>
 <1221> misc_feature
 <1222> (1)...(482)
 <1223> n = A,T,C or G

<1400> 246
 tgggaacaaat ccaaatcccc atcaatgata gactgggataa agaaaaatttg gcacatgttc 60
 accatccaaat acctgcagc cataaaaaaag gatgagttca tatccttttg agggacatgg 120
 atgaagctgg agaccatcat tctcagcaaa ctacaaaggg aacagaaaaa caaacactgc 180
 atgttcacac tcttaagctgg gagctgaaca atgagaacac atggacacag ggagggggaa 240
 atcacacact gacgctctgt ggtgggtagg ggtctagggg agggatagca ttaggagaaa 300
 tacctaattt aatagacggg ttgatgggtg cagcaaacca ccatgacacg tgtataccta 360
 tgtaacaaac ctacatgttc tgcacatgta cccagaaact taaagtgtta ataaaaaat 420
 taagaaaaaa gthaagtatg tcatagatac ataaaatatt gtanatatg aaggtgcccc 480
 aa 482

<1210> 247
 <1211> 474
 <1212> DNA
 <1213> Homo sapien

<1220>
 <1221> misc_feature
 <1222> (1)...(474)
 <1223> n = A,T,C or G

<1400> 247
 ttogatadcg ggcacagagta agcagaaaaa tggctgtggt ttaaccaagt gactacagtt 60
 aagtgcagaga ggggcagaga agacaagggc atatgcaggg ggtgattata acaggtggtt 120
 gtgctgggaa gtgagggtag tgggggatga ggaacagtga aaaaagtggc aaaaagtggta 180
 agatcagtgat atttgaactt tccagaattt gattctctgn ggagtcaaat aactatccag 240
 tttggggtat catanggcac cagttgaggt ataggaggta gaagtcncag tgggataatt 300

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gaggtttatga anggttttggc actgacttggc actgacaang tctgggttat gaccatggga      360
atgaatgact gtanaagcgt anaggatgaa actattccac ganaaaagggg tccnaaaaact      420
aaaaannnnaa gnnnnnnggg aatattattt atgtgggatat tgaangtgcc caaa          474

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<210> 148
<211> 355
<212> DNA
<213> Homo sapien

<210>
<211> misc_feature
<212> (1)...(355)
<213> n = A,T,C or G

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```

ttcgatagac gaaacatga actgacggag ggtgggtgacg atcatgatgt tgcgatggc      60
ccggatggc acaagaagc actgganac gtgcttacgt ccttttgctc tgttgatggc      120
cctgagggca cgcaggaccc ttatgacccg cagaatcttc acaacgggag atggcactgg      180
attgantccc antgacacca gagacacccc aaacacacag atatcantat attgatgtag      240
tctctgtaga nngccccctt gtggaggaaa gctccatnag ttggtcatct tcaacaggat      300
ctcaacaggt tccgatggct gtgatgggca tagtcatant taacctgtg tggaa          355

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<210> 149
<211> 434
<212> DNA
<213> Homo sapien

```

```

ttggatttggc cctccaggag aacaagggga aaaaggtgac cgaggggctcc ctggaaactca      60
aggatctcca gtagcaaaaag gggatggggg aattcctggc cctgctggctc ccttaggtcc      120
acctggctcc caggcttac caggctctca aggcacaaaag ggttaacaaa gctctactgg      180
acctgcttgc cagaaaaggtg acagtgggtc tccagggctc cctgggctcc caggctccac      240
tggtaga-ctc attccagctc taaccaatct gtctctccaa aaaacgagaa gacatactga      300
aggcatgcaa gtagatgcag atgataatat tcttgattac cgggatggaa tggagaagaat      360
atctgggtcc ctcaattccc tgaaacaaga catcgagcat atgaaatttc caatgggtac      420
tcagacacat ccaa          434

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```

<210> 250
<211> 430
<212> DNA
<213> Homo sapien

```

```

<210>
<211> misc_feature
<212> (1)...(430)
<213> n = A,T,C or G

```

```

tggatttgctc acatgggcaga gacaggatcc caaggcagtg agaggaggat acaatgcttc      60
tcactagtta ttattattta ttttattttt gagatgaagt ctgcttttgt ctcccaggct      120
ggagagcggc ggtgggatcc tggctctctg caacccccgc ctcaagcaat tctcctgtct      180
tagcctcgcg ggtagatgga attacaggcg cccacccgca tgcccaacta atttttttgt      240
gtcttcagta gagacaggtt ttggccatgt tgggcaggct ggtcttgaac tctgacctc      300
nagtgatctg cctcctcgg cctcacaaaag tcttggaatt acaggcatgg gctgctgcac      360

```

ccagtcacact tctcactagt tatggcotta tcatttttcac cacattctat tggcccaaaa 420
aaaaaaaaan 440

<210> 251
<211> 329
<212> DNA
<213> Homo sapien

<400> 251
tggtaactcga ccatyattggg gccaacccggc atccctggccc tccctccctggc tgttcctccaa 60
ggagtcctggg ccgaggtgga gctggtgcag tctggagcag aggtgaaaaa gtccgggggag 120
tctctgaaqa tctcctgttaa gggttctggg tacaccttta agatctactg gatccgctgg 180
gtggcccaqt tccccgggaa aggcctggag tggatggggc tcctctttcc tgatgaactct 240
gataccagat acagcccgctc cttcccaagga caggtcacca tctcagtcga taagtccatc 300
agcacccgct atctgcagtg gactaccaa 329

<210> 252
<211> 336
<212> DNA
<213> Homo sapien

<400> 252
tggtaactcga ctccagcccaa cottaattaa gaattaagag ggaacctatt actattctcc 60
caggctccctc tcccttaaac aggcctctgg gacagtatta gaaaaggatg tctcaacaag 120
tatgtacatc ctgtactggc ctaagaagtt aaactgagaa tagcataaat cagacccaaa 180
ttaatgctcc ctgagacttg tgtcctggag cagctgggat aggaaaaact ttgggcagca 240
agaggaaqaa ctccctggga gggggcatca tjttaaaaaa tacaagggga accacaccca 300
ggcccccctc ccagctctca gcttagagta tttagcatttc tcagctagag actcacaact 360
tccttgctta gaatttgcca ccggggggag tccctgttgg tgatgaggct ctcaagagtg 420
agagtgagat cctatctctt gtgtgcccac aggagcctgg ccgagagact agcaggtgaa 480
gtttctggtc cagctcttgc ccttgactca ctatgtgacc tctgggtggag taccaa 540

<210> 253
<211> 387
<212> DNA
<213> Homo sapien

<210>
<211> misc_feature
<212> (1)...(507)
<213> n = A,T,C or G

<400> 253
ntgttgcaat ccaggttaact cgggaagctg aggcggggagg atcacctgag ctccaggaggt 60
tgaggcccca gtragccggg accacggcac tacactccag cctgggggat agagtggagc 120
cctccaaiaa aiaaaaagaaa agaaaaggaa ggaaggggaa agggaaaagg aaaaggaaaa 180
ggaaaaiaa aaggaaaaga caagacaaaa caagaactga atttggatct cctgaactca 240
attttatctt ctctctacac cacaattcct ctgcttacta agatgataat tttagaaaacc 300
cttgttcacat tctttacagc aagctggaa gtttggtaag taattacaat aatagtaaca 360
aatttgaata ttatatgcca ggtgtttttt attcctgctc tcacttaatt ctccaccactc 420
tgatataaaf acaattgctg ccgggtgttg tggctcatgc ctgtaatccc ggcacttttg 480
gagacccagx tggcgggats gcaacaa 507

<210> 254

>111> 122
 >112> DNA
 >113> Homo sapien

>120>
 >121> misc_feature
 >122> (1)...(222)
 >123> n = A,T,C or G

```
>400> 154
ttggataggc cactgtgagg aagocaaaac ggatocagaga gtctttttct aaaggccagt    60
actggocaca cttttctctg ccgccttctt caaagetgaa gacacacaga gcaaggcgt    120
tgtgttttac tccccaatgg taactocaaa ccatagatgg ttagnetccc tgcctatctt    180
tccacatccc tcttatccag tatagtccgt ggacaaatcc aa                222
```

>110> 155
 >111> 463
 >112> DNA
 >113> Homo sapien

```
>400> 155
tgttgccatc cataaatgct gaaatggaaa taaacaacat gatgagggag gattaagttg    60
gggaggggagc acattaaggt ggccatgaag tttgttggaa gaagtgaact ttgaacaagg    120
ccttggtggtt aagagctgat gagagtgtcc cagacagagg ggccactggt acaatagacg    180
agatgggaga gggcttggaa ggtgtgggaa ataggaagga gtttgttctg gtatgagtct    240
agtgaacaca gagggcagag gccctgggtg gtgcagctgg agagttaatg agaataacat    300
taggcctctg gggggactgt agaactgtcag caataatcca cagtttggat tttattctaa    360
gagtgatggg aagccgtgga aaggggggta agcaaggagt gaaattatca gatttacagt    420
gataaaaaata aattggctctg gctactgggg aaaaaaaaaa aaa                463
```

>110> 156
 >111> 162
 >112> DNA
 >113> Homo sapien

```
>400> 156
ttggattggt caacctgctc aactctacyt ttctctcttc ttcttaaaaa attaatgaat    60
ccaatatatt aatgcacaaa ccttggggtt ttatcaatat ttctgttaaa aagtattatc    120
cagaactgga cataatacta cataataata cataacaaac ccttcctctg gatgcaaaca    180
tctattaata taacttaaga tcactttcac ttacagaag caacatcctg ttgatgttat    240
tttgatattt gaacaaatcc aa                262
```

>110> 157
 >111> 461
 >112> DNA
 >113> Homo sapien

>120>
 >121> misc_feature
 >122> (1)...(461)
 >123> n = A,T,C or G

```
>400> 257
gnggnnnnnn nnhcaattcg actcngttcc cntgggtancc ggtcgacatg gccgggggat    60
```

```

tacogcttgt nntgggggt gtatggggga ctatgacggc ttgtagctgg ggggtgatgg 120
gggactatga ccgcttgtag mtggkgggtg atgggggact atgacggctt gtgggggtgg 180
cggataaaac gacgcaaggg acgtgatoga agctggcttc ccgctctttc gcacgggtag 240
ggatcatqja cagcaatata cgcattcggc tgaaggcggt cgaccatcgc gtgctcgatc 300
aggcgacggg ccacatcgcc gacacggcac gcggtagcgg ccgcttcata ccgggtccga 360
tcccgcttcc cagcgcgatc gagaagttca cggctcaacg tggcccgcac gtcgacaaga 420
agtccgqjga gcaqttcgag gtgggtacct acaagcggtc a 480

```

```

#10> 258
#11> 332
#12> DNA
#13> Homo sapien

#20>
#21> misc_feature
#22> (1)...(332)
#23> n = A,T,C or G

```

```

#400> 258
cgacggcttg taqctggggg tgtatggggg actacgacgg ctgttagctg ggggtgtatg 60
ggggactatg accgcttgta gctgggggtg tatgggggac tatgacggct tgtagctggg 120
ggtgtatcgg ggaactaggac cgtttgtagc tgggggtgta tgggggacta cgacggcttg 180
tagctggggg tctatggggg actacgacgg ctgttagctg ggggtgtatg ggggactatg 240
accgcttgta nctgggggtg tatgggggac tatgacggct tgtgctgctt gggggatggg 300
aggagatttg tggctgggga aaaaaaaaaa aa 332

```

```

#10> 259
#11> 291
#12> DNA
#13> Homo sapien

#20>
#21> misc_feature
#22> (1)...(291)
#23> n = A,T,C or G

```

```

#400> 259
tacogcttgt gacogcttgt gacogcttgt gacogcttgt gacogcttgt gacogcttgt 60
gacogcttgt gacogcttgt gacogcttgt gacogcttgt gacogcttgt gacogcttgt 120
gacogcttgt gacogcttgt naongggggg gtctggggga ctatgannga ntgtactgg 180
gggtgtctgg ggmctatga nngantgtna cnggggggtg ctgggggact atganngact 240
gtgcnncctg ggggatonga ggagantngn ggntagngat ggttngggan a 291

```

```

#10> 260
#11> 278
#12> DNA
#13> Homo sapien

```

```

#400> 260
taagagggta ctggttaaaa tacaggaaat ctggggtaat gaggcagaga accaggatad 60
tttgaggtca gggatgaaaa ctagaatttt ttctcttttt ttgctctgag aaacttgggt 120
ctctgaagag gcccatgtat taattgcttt gatcttctct ttcttacagc cctttcaagg 180
gcagagccct ccttatctgt aaggaattct atccttagct atagtatgta cctcttta 235

```

<H10> 261
 <H11> 746
 <H12> DNA
 <H13> Homo sapien

<H20>
 <H21> misc_feature
 <H22> (1)...(746)
 <H23> n = A,T,C or G

<H400> 161
 ttgggcaccc tcaatatcaa tagetaacat ttattgagtg tttatcgtat cataaaaacac 60
 tgtttotaagg ctttaaaacgt actaattoat ttaatgctca taatcacttt agaaggtggg 120
 tactagtatt agtctcattt acagatgcaa catgcaggca cagagaggtt aattaacttg 180
 cccaaggtta cccagctaaag aaatagaaaa aatattgaat ctggaaaagt gggctttctg 240
 gtaacccaca gatcttccaa ttagcctggg gcctcactca gtttgctttt acaaagcgaa 300
 tgagtaacat cacttaattc agtgagtagg ccaaatggag gtcagctacg agtttctgct 360
 gttcttcacg tggactgaca gatgtttaca acgtctggcc atcagtwaat ggaactgatta 420
 tcattgggaw gggggtgggc tgaatgttgg ccagtggaagt ttattcawgc catattttta 480
 tgttttaggat gacttttggc tggtoctagg gcaagctctg totgscacgg aacacagaat 540
 wacacagga cccctcactt ttctggtgtg gctagaacca tgaaccactg gttgggggaa 600
 caagcggtca aaacctaaat ggggcgggct ggcagggtcc acccatatgg ggaaaaactc 660
 cnaagcgttt ggaatggctn agctngaatt attctaanag ttgtccnctt aaaattagcc 720
 tgggcgttaa tcangggctn naagcc 746

<H10> 262
 <H11> 588
 <H12> DNA
 <H13> Homo sapien

<H20>
 <H21> misc_feature
 <H22> (1)...(588)
 <H23> n = A,T,C or G

<H400> 161
 tgaccgcttg tcatctcaca tggggctcctg caagcttttg cctttgtagg aaacctgaca 60
 cttgtctggt tcttttttct cttttccttc ccatactctc ctaatttaag tttgacttgc 120
 ttgctgagga gctcaggagct agagaactgt gtgagctcat aggggtggga agtttatcct 180
 tcaagtcccg ccactccttc actgcttctc accttcacct gaccaggctt acaagtgggt 240
 tottgctgca ttctcctttg gacccaacaa gccctgttaa tgagtgtgca tgactctgac 300
 agctgtggac ttagggctct tggctacaga tggcatgtaa aatatctcat ccagttctcg 360
 caaattgtta aataaacac atttcttaga ttccagtacc caaatcatgt ctttaacgaac 420
 tgctctcacc acccagaagt ggcacaataa ttcttgggga attattactt ttttttttct 480
 ctctntttnc gnnngnnnng gnnngnccag gaattaccac nttggaagac ctggccngaa 540
 tttattatag aacagagcgc attntttttt ctaacacaaa gggggtca 588

<H10> 163
 <H11> 750
 <H12> DNA
 <H13> Homo sapien

<H20>
 <H21> misc_feature

<222> (1)...(730)

<223> n = A,T,C or G

<400> 263

tttttttttt	tttggcctga	gcaactgaaa	ttatgaaatt	tccatatact	caaaagagta	60
agactgcaaa	aagattaaat	gtaaaagtty	tottgtatac	agtaatgttt	aagataccta	120
ttanatttat	aaatggaaaa	ttagggcatt	tggatataca	agttgaaaat	tcaggagtga	180
gggtgggcty	gctgggtata	tactgaaaac	tgtcagtaca	cagatgacat	ctaaaaaccac	240
aaatctgggt	ttatttttag	agtgatatgt	gtcactccca	caaaaagcctt	ccccattggc	300
ctcagcatac	acaacaagtc	acotccccac	agccctctac	acataaaacaa	attccttagt	360
ctagttcagg	aggaatggcg	cccttttctt	tcogctctag	gtgacggcaa	ggcccagttc	420
tcgtcaccaa	gactttaagg	gaagtctggc	aaagagggcat	ctgaaaggaa	ataagggggaa	480
tgggagtgac	cacaaaggaa	agccaaggan	aaaottttgga	gacogtttct	aganccctgg	540
catttcacaa	caaaaactong	gaacaaaact	tgtctcatca	atcatttaag	cccttcgttt	600
ggannagant	ttctgaaact	ggcgctgaac	ataancctca	ttgaatgtct	tcacagttct	660
ccagctgaag	gcacaccttg	ggccagaagg	ggaattcttc	aggtcctcaa	nacagggtct	720
gcctttgnc						730

<210> 264

<211> 715

<212> DNA

<213> Homo sapien

<214>

<215> misc_feature

<222> (1)...(715)

<223> n = A,T,C or G

<400> 264

tttttttttt	tttggccagt	atgatagctt	ctaccactat	attgaagctc	ttaggtcatt	60
tacacttaac	gtggttatag	atgctgttga	gcttaacttc	accaccttgc	tattctctcc	120
gtctctctct	tgttctcttt	ctctctcttt	ccctcccttat	tttataattg	aatttttttag	180
gattctattt	tatatagatt	tatcagctat	aacactttgt	attcttttct	tttgtggctc	240
ttctgtcatt	tcaatgtgca	tcttaaaact	atcacactct	attttcaaat	aatatcatat	300
aaccttacat	ataatgttaag	aatctaacac	catatatttc	catttctccc	ttccatccca	360
tgtntgtcat	attttttctt	ttatatatgt	tttaaagaca	taatagtata	tgggaggttt	420
ttgcttaaaa	tgtgatcaat	attccttcaa	ngaaaagtaa	aaattcaaaa	taaatntctg	480
ttcattctca	aatnnaccta	atatttctca	ccatntctna	taentttcaa	gaatctgaag	540
gcattggttt	tttcgggttt	aagaacctcc	tctaaagcac	tctaaagcaga	attaagtctt	600
ctgggagagc	aattctccca	agcttggggc	ctnanntgta	ctcctnang	gttaaaanttt	660
ggcgggaaa	tagaaattcc	aagttaacag	gntanttttt	ntttntnttn	ctccc	715

<210> 265

<211> 183

<212> DNA

<213> Homo sapien

<400> 265

tttttttttt	tttcccaaca	caaaagcaca	ttatcttttc	tcacaatttt	caacatagtt	60
tgattcccat	gaaagaggtta	tgattctctaa	agaaaacatg	gctaactatac	tatcaatcag	120
ggtaaaatct	tttttttttt	agaaggagtt	ta			183

<210> 266

<211> 193

<12> DNA
 <13> Homo sapien

<20>
 <21> misc_feature
 <22> (1)...(193)
 <23> n = A,T,C or G

<400> 186
 taaaactcgt cccctttctta atcaatatgg aggcctaccca ctccacatta ccttcttttc 60
 aagggactgt ttcctgaact gttgtgggta ttcaaggacca ggctctctaaa cctctctaaaa 120
 ctccccaatt ctggtgcaca ctgggacaa atgccttttt ttttttttt ttttttttt 180
 gagaagcagt tta 193

<10> 167
 <11> 460
 <12> DNA
 <13> Homo sapien

<400> 167
 tgttgccatc ccttaagcat ggtgtctatt aaaaaaatgg tggagaagaa aataacctgga 60
 atttaactct tatctttaga gattgggaag acctgatgg aggaagtgga gaacagcttc 120
 ttcttgaaatg tcaattccca agtaacaaca gtgtgtcagg caattgctaa ggatcctaaa 180
 ttgcagcaag gttacaatgc tatgggattc tcccagggag gccaatctct gagggcagtg 240
 gctcagagat ggccttcacc tcccatgac aatctgatct cggttggggg acaacatcaa 300
 ggtgtttttg gactccctcg atgcacagga gagagctctc acatctgtga ctccatccga 360
 aaaacactga atgctggggc gtactccaaa gttgttcagg aaagcctcgt gcaagccgaa 420
 tactggcatg accataaaaa ggaggatgtg gatcgcaaca 460

<10> 168
 <11> 533
 <12> DNA
 <13> Homo sapien

<20>
 <21> misc_feature
 <22> (1)...(533)
 <23> n = A,T,C or G

<400> 189
 tgttgccatc ccttgataga atagcgacgt ggtaatgagt gcctggcacg cctccgactt 60
 accttcgccc gttgggaccc cgagtacgtc taaggcgctg caacttagag taacctctgg 120
 acgcccagga ggtttcgatt taacgggaagc gcgagctgca gtgggcttgc gcccccgggc 180
 aaattctttg gggggtttta ggcggcgggg aatttgaggt atctctatca gtatgtagcc 240
 aagttggaac agtcgacatt cccgaaaatg ctttctttga atccgcaccc cctccagcat 300
 tgcctcattc atcaacctga aggcacgcct aagtgaagggt tgtgtcttca gcagctccac 360
 tcataaacta ggcgcctcga cctcgtcttc gtaaggccca ggtccgtgag tgcgaattcc 420
 caactcgggt gaattggcca ttccaagttt cgaaaactgt cgcctccacn atttggcatg 480
 ttcaagcatg acacgggaata aactcgtcca gtacggggaa tgggacgca aca 533

<10> 189
 <11> 5
 <12> DNA
 <13> Homo sapien

<400> 169
 tttttttttt ttggcgtgaa ttagctacag atctctctca caagcgggtca

50

<210> 170
 <211> 519
 <212> DNA
 <213> Homo sapien

<400> 170
 tgttgcgatc caaataaacg accagcttct tgcacaactc gcagaagcca ccgtcccttg 60
 gctgagtcac gtgaaagggtc agtgcaagca gcggcggtgc agagcagagg tgcagcatgc 120
 tgcacacccg ctgagggtg acctctctca gcaggatgga caggatggag ctgcgtaag 180
 tgtccacccg ctctgggac tcttcggaca gggacttcgg cagcttcgag cacattttgt 240
 caaaagcgtc gactatttct ttctcagctc tgttggtgtc aatcagcttg gtacctctct 300
 tcaccaggaa ttccacacac tcacagtasa caccagaact tggctgggac tggctgctct 360
 taatgggtct caccagttct agggcaggga tgacattctt ggaggccact ttggcgggga 420
 ccagagtcct cgtgggcctc tctttcactc caccacagaa cccaaaccgc gcacagatct 480
 ccttgggttg cgtgtgcctc atcctctggg atcgcaaca 519

<210> 271
 <211> 457
 <212> DNA
 <213> Homo sapien

<400> 271
 tttttttttt ttgggggggc gacgggaagt gcactctctc agtaggggtc gcaagtctgt 60
 ccaatggccc gctatgagga ggtgagcgtg tcggctctcg aggagttcca cggggccgtg 120
 gaacagcaca atggcaagac ctttttcggc taactttaagg gttctaagga cgcggggggg 180
 aaaagctggg gcccggaactg cgtgcaggct gaaccagtcg tacgagaggg gctgaagcac 240
 attagtgaag gactgtgtgt cactctactg caagtaggag aagagcctta ttggaaagat 300
 ccaaatatg acttcagaaa aaacttgaaa gtaabagcag tgcctacact acttaagtac 360
 ggaacacctc aaaaactggg agaattctgag tgtcttcagg ccaacctggc ggaaatgttg 420
 ttctctgaar attaagattt taggatggca atcaaga 457

<210> 172
 <211> 100
 <212> DNA
 <213> Homo sapien

<400> 172
 tttttttttt ttgggcaaca acctgaatac cttttcaagg ctctggcttg ggctcaagcc 60
 cgcaggccaa atccaactgg ccaggtcaca gggcaatcaa ga 102

<210> 173
 <211> 455
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(455)
 <223> n = A,T,C or G

<400> 273

tttttttttt	ttgggcaatca	acagggtttta	gttttcgggc	gaagttaato	togtgttttt	60
ggcaatcaaa	aggtttaagt	tttcgggcga	agttaatctc	gtgttttttg	caatcaacag	120
gtttaagtct	ttgggcgaag	ttaatctcgt	gtttttggca	atcaacaggt	ttaaagtcttc	180
gggcgaaggt	aatctcgtgt	tttcggcaat	caacaggttc	aagtcttcgg	ccgaagttaa	240
tctcgtgttt	ttggcaatca	acagggtttta	gttttcgggc	gaagttaato	togtgttttt	300
ggcaatcaaa	aggtttaagt	tttcgggcga	agttaatctc	gtgttttttg	caatcaacag	360
gtttaagtct	ttgggcgaan	ttaatctcgt	gtttttggca	atcaacaggt	ttaaantcttc	420
gggcgaaggt	aatctcgtgt	tttcggcaat	caana			455

<210> 174

<211> 461

<212> DNA

<213> Homo sapien

<400> 174

tttttttttt	ttgggcaata	cccttgatga	acatcaatgt	gaaaatcttc	ggtaaaaaac	60
ttggcaaacca	aatccagcag	ccatcaaaaa	agcttatcca	ccatgatcaa	gtgggtctca	120
tccttggggt	gcaaggctgg	ttcaacataa	gaaaatcaat	aaatgtaato	catcacataa	180
acagaaacca	agacaaaaaa	ccatgatta	tcctaataga	tcagaaaaag	gccttggaca	240
aattcaacag	cccttcatgc	taaacactct	taataaaacta	gatattgatg	gaatgtatct	300
caaaataata	agagctatct	atgacaaaa	ccacagccaat	atcatactga	atgggcaaaag	360
actgggaagca	ttccctttga	aaactggcac	aagacaagga	tgccctctct	ccacgctctct	420
attcaacata	gtattggaag	ttctggccag	ggcaatcaag	a		461

<210> 275

<211> 729

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)...(729)

<223> n = A,T,C or G

<400> 175

tttttttttt	ttgggcaaca	ccaagtcttc	caagtgaggag	gtttttattat	gtttttacaac	60
catgaaaaaa	taaggaagggtg	gtgtttacag	caaacatttc	agatagaaga	atcgggccaag	120
ctcccccaaa	ccaactttoa	cagcctcttc	ccacagcttc	ccanagattg	ttgtctctca	180
cttgcaaaat	caatgatgtt	ggaagtgac	attttnnagtn	gonggaaccc	catcagtgaa	240
ncantaagca	gaantaagat	gaatttgana	nacantgat	gaagaacacn	ctacnganaa	300
ccctttctat	ccgtttanga	ctctnngtcc	ntcaactaatg	cgccccctg	cnggtccacc	360
atttgggaca	actccccccn	cgttgggacc	cccttgagt	ntccattct	ngtccccccn	420
acnngctttg	ncnngncaatn	cnnctctcca	ccntgtttcc	ctgngnnaa	aatnngtttt	480
ncgccccccc	naattccccc	ccnaatccca	gggaanccng	aaggcccttcn	naagtgttta	540
angccccngg	gtttctctct	ntanttgacg	ccatccctcc	cctttnnnnt	tnngngtttg	600
tccgccccctg	gncnccctn	gttctctctt	nnngnnaaaa	ccnngntcnn	ngcnctctcn	660
nnctntttcc	tnnaactagc	tnccctntcc	nncnccnggn	ncanngcaca	ttncnccnna	720
tnctgnccc						729

<210> 276

<211> 889

<212> DNA

<213> Homo sapien

#400 - 276

tgacctgaca	tctagtagat	acttaataaa	tatttggtga	atgaatggat	gaagtggagt	60
tacagagaaa	aatagaaaaag	tacaaaattgt	tgtcagtggt	ttgaaggaaa	attatgatct	120
tccccaaat	tctgaattca	ctctaagaca	gggttagtat	ctccatacat	aattttactt	180
gottttttaa	atcaaatgag	ataatccatt	tagattgata	atttatttag	actgggtata	240
aactatttaa	tgttagcaaa	tatacatttt	aatctcattt	ccacattctt	gtgatatagc	300
tatgtaggtg	ttagattcaa	tggatgtcag	gtcaatccc			360

#210 - 277

#211 - 664

#212 - DNA

#213 - Homo sapien

#220 -

#221 - misc_feature

#222 - (1)...(664)

#223 - n = A,T,C or G

#400 - 277

tgacctgaca	tccataacaa	aattttttct	catttatatto	ctctagggga	attctttgaa	60
aagcatccaa	aggaaacaaa	tgatggtaag	acogtgccaa	gtggggagca	gacacccaaag	120
taagacccaa	gattttacat	tcaacaggta	gtccacagta	ctttgcccga	cactgtgggc	180
agaaatagcc	tcttaattga	agccctgggt	cagtattgcc	atccaaatgc	gccatgctga	240
aagagggttt	tccatctcgg	ccagatnaag	aagcaatggg	gtgctgagga	aatcccatac	300
gaataagtga	gcattccagaa	cttgagctag	caggaggagg	actaagatga	tgtgtgagca	360
actctttgta	atggctttca	tctaaaataa	cattggtaagt	gccaccagtt	tcacgagcaa	420
gtacagtcca	aacycgaaat	tctgcagaca	atccaaataa	agataactct	attttagctg	480
cttttagggg	cttgattaaa	tcataaatat	tagatggatc	gcaagttgta	aggntgctaa	540
aagatgatta	gtactctctg	acttgatatg	ccaggccatgt	tgttttaaan	cttgcccttag	600
nccctgtcta	ggggaatttt	taaagaagat	ggctctccat	gttcanggtc	aatcacnaat	660
tgcc						664

#210 - 278

#211 - 452

#212 - DNA

#213 - Homo sapien

#220 -

#221 - misc_feature

#222 - (1)...(452)

#223 - n = A,T,C or G

#400 - 278

tgacctgaca	ttaggggaaga	gcacacacct	ctgaaattcc	ttaggttcag	aagggcattt	60
gacacagagt	gggcctctga	taattccatga	aatgcattct	gaagtcattc	agaatggagg	120
ctgcaattct	ctgtgctttg	ggggttggct	cactgtgctc	ctggatatca	cacaaaagct	180
gcaatctctc	tctcccaact	aacattttgc	agtatttgct	gggattttta	ctgcagacat	240
gatacatagc	ccatagtgcc	cagagctgaa	ctctctgggtg	agagaagttg	ccaaggagcg	300
ggaaaaatgt	cttgaaaagat	ctataggcca	ccaatgctgt	cattttacaa	cttgaacttg	360
gccaatctct	tatagttgca	tgcagattct	ggagaagagt	acgctctctg	aagtcaaggg	420
atatccaaat	ctgtctgtca	gatgtcaggt	ca			452

#210 - 279

<211> 274
 <212> DNA
 <213> Homo sapien

<400> 274
 tttttttttt ttgggcaagg caaatTTtact totgcaaaaag ggtgctgctt gcaatttttg 60
 ccactgggag agaacaccac acaaaagtagg gaaggggttt ttatccctaa cgggggttatt 120
 cctgggttct gtatcgtgtc cccattgggt ggagtcagac tgcacaatct acactgaccc 180
 aactggctac tttttaaact tgaatatgaa taattaggta ggaaggggga ggtgtttgt 240
 taaggtaaa gagtgtttg ggcattgtcag gta 274

<210> 280
 <211> 272
 <212> DNA
 <213> Homo sapien

<400> 280
 tacctgacat ggagaaataa cttgtagtat tttgggtgca atggaatact atatgagggg 60
 gaaaatcaat gaactagcaa tgggtgtatc aacatgaata aatccccaaa acataataat 120
 gtggaatgga aaaggtgagt ttcagaagga tatatatgoc ctotaaaatcc atttatgtaa 180
 acctttaaaa aactacatta tttatggtoa taagtccatc cagaaaatat ttaaaaacct 240
 acatgggatt gataactact gatgtcaggt ca 272

<210> 281
 <211> 431
 <212> DNA
 <213> Homo sapien

<220>
 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

<400> 281
 tttttttttt ttggcaata gcatgattta aacattggaa aaagtcaaat gagcaatggc 60
 aattttttat ttctcttgaa taatcaaaaag agtaggcaac attggttccct cattcttgaa 120
 tagcattaat cagaaaaatat tgcatagcct ctagcctcct tagagttagt gtgctctctc 180
 aaatatatca taatcccaaa gtttatttca tgtatatttt ctgcctgaat cacatagaca 240
 tttgaatttc caacgcctga tgtaaatata taaattotta ccaatcagaa acatagcaag 300
 aaattcaggg acttggctcat yatcagggta tgacagcana tccctgtara aacactgata 360
 cacactcaaa cacttatgca aagtggagat gtgcgcttw kkktywown rmrycrwogn 420
 aatcaattan n 431

<210> 282
 <211> 98
 <212> DNA
 <213> Homo sapien

<400> 282
 attcgattcc atgattgagc ccaggagttc aagactgcag tgagccactg caattcaggc 60
 tggacaacac agcagagtcac tgtgcacaaa aaaaaaaaa 98

<210> 283
 <211> 764

<12> DNA
 <13> Homo sapien

<121>
 <121> misc_feature
 <122> (1)...(764)
 <123> r = A,T,C or G

<400> 183

tttttttttt	ttggcaagca	ogtgcacttt	attgaatgac	actgtagaca	ggtgtgtggg	60
tataaaactgc	tatatctagg	ggcagggaaca	agggggcagg	ggcaacagcc	ccagcgtgca	120
ggggccascac	tgcacagtgg	astgcaaaagg	ttgcaggcta	tggggggcta	ctavtaaccc	180
ogttttttcct	gtattatctg	taacataata	tggtagaactg	tcacagagcc	gaatwccart	240
hacacgataa	atccaaawgt	caygaggatg	cccasaatca	ggggccasat	attcagggcac	300
ttggcgcttg	gggcataagc	ctgkgccccc	gtcaggtccc	caacccwtcty	ccgtgtcccta	360
cmcttgawtc	cnnccctnn	nnnccctna	tttgcgcgc	cncctcctng	ngtcaacccg	420
natctgcact	anctccctcn	cccttntgg	antctctcc	ttcaantaan	nttatccctn	480
acncccccct	cnccttccc	ctnccnccn	tnatcccnng	ncnctatca	ntctnccct	540
cncctnctcn	cncatcgttc	cncctntaa	ctacnctttn	nacnanncc	cactnathcc	600
ngnnantctc	ttccttccc	ccnnaacgcn	tggttgccgc	cgtctngcc	nnctnccgna	660
ccnnaacttt	atttaccctt	ncacccctagc	netctacttn	accanccnc	tcctacctcc	720
nggnccaccc	nnccctnate	ctnncctctn	tcnncctctt	cccc		764

<10> 184
 <11> 187
 <12> DNA
 <13> Homo sapien

<400> 184

caagtgtagg	cacagtgtatg	aaagccctgga	gcacacacaa	ttctgtgggtt	attaacgttt	60
atctctcccc	ttccagggaac	gtctctgcctg	gatgatcaaa	gattagctcc	tggtcaacat	120
aaataagcta	gtttaagata	cgttcccccta	caattga			180

<10> 185
 <11> 190
 <12> DNA
 <13> Homo sapien

<400> 185

attcgattgt	actcagacaa	caatatgcta	agtggaaagaa	gtcagtcaca	aaagaccaca	60
tactgtatga	ctcatttcc	attaagtgtc	cagaataggg	aaatccgtag	agacagaaag	120
tagatgaaca	gttgccctagg	tttgagtaca				180

<10> 186
 <11> 199
 <12> DNA
 <13> Homo sapien

<400> 186

attcgatttt	tttttttttg	gcacatgatga	aattcttaact	ccctcagatt	ttttgtctgg	60
ataaatgcaa	gtctcaccac	cagatgtgaa	attacagtaa	actttgaagg	aattctctga	120
gcaccccttg	ctaggatcaa	tcacatattc	accatctggg	aagtcaggat	ggctgagttg	180
caggtcttta	caagttcggg	ctggattggg	ctgagtaca			219

<210> 287
 <211> 196
 <212> DNA
 <213> Homo sapien

<400> 287
 attogatttct tgaggctacc aggagctagg agaagaggca tggaaacaaat tttccctcat 60
 atccatactc agaaggaacc aacctgtgtg acacottaat ttcagcttct ggccctctaga 120
 actgtgagag agtacatttc tcttggttta agccaaagaga atctgtctct tggtaattta 180
 tatcatagcc tcaaga 196

<210> 288
 <211> 199
 <212> DNA
 <213> Homo sapien

<400> 288
 attogatttc aptccagtc cagaacccac attgtcaatt actactctgt araagattca 60
 tttgttgaaa ttcattgagt aaaaacattta tgatccotta atatatgcca attaccatgc 120
 taggtactga agattcaagt gacccagatg ctagcccttg ggttcaagtg atccctctcc 180
 cagagtgcac tggactgaa 199

<210> 289
 <211> 182
 <212> DNA
 <213> Homo sapien

<400> 289
 attogattct tgaggctaca aacctgtaca gtatgttaact ctactgaata ctgtaggcaa 60
 tagtaataca gaagcaagta tctgtatatg taacacattaa aaaggtacag tgaaaactca 120
 gtattataat cttaggggacc accattatat atgtggtcca tcattggcca aaaaaaaaaa 180
 aa 182

<210> 290
 <211> 1646
 <212> DNA
 <213> Homo sapien

<400> 290
 ggcaagagga gaaatgtaat tccatatttt atttgaaaact tattccatat tttaattgga 60
 tattgagtga ttgggttato aaacacccac aaactttaat ttgtttaaat ttatatggct 120
 ttgaaataga agtataagtt gtaaccattt tttgataaca ttgaaagata gtattttacc 180
 atctttaato atcttggaat atacaagtc tgtgaacaa cactctttca cctagcagca 240
 tgaggccaaa aytaaaaggt ttaaattata acatatggga ttcttagtag tatgtttttt 300
 tcttgaaaact cagtggctct atctaacctt actatctcct cactctttct ctaagaactaa 360
 actctaggtt cttaaaaato tggccacacc aatcttagaa gctctgaaaa gaatttgtct 420
 ttaaatatct ttaaatagta acatgtattt tatggaacca attgacattt tgaactattt 480
 tttccaaaaa aatcaggtga atttcagcac actgagttgg gaattttctta tcccagaaga 540
 ccaaccaatt tcatatttat ttaagattga ttccatactc cgtttttcaag gagaatccct 600
 gcagtctctt taaaggtaga acaaataact totatttttt tttccaccatt gtgggattgg 660
 actttaagag gtgactctaa aaaaacagag aacaaatatg tctcagttgt attaagcacg 720
 gaccatatt atcatattca cttaaaaaaa tgatttcttg tgcacctttt ggcaacttct 780
 cttttcaatg tagggaaaaa cttagtcacc ctgaaaaacc acaaaataaa taaaacttgt 840
 agatgtgggc agaaggtttg ggggtggaca ttgtatgtgt tttaaattaaa cctgtatca 900

ctgagaaact	gttgtatggg	tcagagaaaa	tgaatgctta	gaagctgttc	acatcttcaa	960
gagcagaagg	aaaccacatg	tctcagctat	attattatct	atcttttatg	cataaagtga	1000
atcatttttt	ctgtattaat	ttccaaaggg	ttttacccct	tatttaaatg	ctttgaaaaa	1080
cagtgcattg	acaatgggtt	gatatttttc	tttaaaagaa	aaatataatt	atgaaaagca	1140
agataatctg	aagccctgtt	tattttaaaa	ctttttatgt	tctgggggtg	acgtctgttg	1200
tttggttgtt	tctattttgt	tggtttttta	ctttgttttt	tggtttgttt	tggtttgttt	1260
kgcatactac	atgcagttct	ctaaccaatg	tctgtttggc	taatgttaatt	aaagtgttta	1320
attctataga	gtgcattttc	actatgtcaa	tggtttctta	atatttattg	tgtagaagta	1380
ctggtaaat	ttttattttc	aatatgttta	aagagataac	agtttgatat	gttttcattg	1440
gtttatagca	gaagtatttt	attcttatgg	cattccagcg	gatattttgg	tggttgccag	1500
gcattgcagtc	aattattttgt	acagttagtg	gacagtatct	agcaacgcct	gatagcttct	1560
ctggcccttat	gttaaatata	aagccctgtt	tgggatgtat	cttttatttt	taaaaaaaaa	1620
aaaaaaaaaa	aaaaaaaaaa	aaaaaa				1646

(210) 291

(211) 1851

(212) DNA

(213) Homo sapien

(400) 291

tcattcacat	tgccagcagc	ggcacccgtta	gtcagggttt	ctgggaatcc	cacatgagta	60
cttccgttgt	cttcattctt	cttcaatagc	cataaatctt	ctagctctgg	ctggctgttt	120
tcatttcctt	taagcccttg	tgactctctc	tctgatgtca	gctttaagtc	ctgtctctga	180
ttgtctgttt	cagaagagat	ttttaacatc	tgctttctct	tgtagtcaga	aagtaactgg	240
caaattacat	gatgatgaat	agaaaacagca	tactctctgg	ccgtctttcc	agatcttgag	300
aagataacat	aacattcttg	tcaggtagag	ggttgactat	acttgctgat	ccacaacata	360
cagcaagtat	gagagcagtt	cttccatctc	tatccagcgc	atttaaatct	gctttttctt	420
tgattaaaaa	tttccaccat	tgctgtcttt	gtccatgtat	accaaagtag	agtggtgtga	480
ggccatcttt	gttttttgat	togatatcag	ccccgtataa	gagcagtgct	ttggccatta	540
atttatcttt	attgtagaca	gcatactgtt	gagtggtatt	tcataactca	cttggaatat	600
ctggatcagt	gccatgtctc	agcaaacatta	agccacattc	atcttccctg	cattgtacgg	660
cccttgctcag	agctgtctct	ttcttgctgt	caaggacatt	aagttgacat	cgctctgtcc	720
gcacgaattt	taactactct	gaattcccat	tgccagaggg	cagatgtaga	gcagtcctct	780
tttgcttgct	ctctcttgct	acatccctgt	ccctgagcat	gacgatgaga	tcctttctgg	840
ggaactttac	ccaccaggca	gtctctgtga	gcttgctcag	atcttctcca	tggaagtggt	900
acctgggcat	catgaaggcg	ctgtcatcgt	agtctcccca	agcgacccag	ttgtctctgc	960
cgctccctct	cagcagggga	agcagtgcca	gcaccaactg	ccctctctgc	tcaccaagct	1020
cttccacag	gagtcgttgt	ggtctccaga	agtgcacca	ctgtctctgc	cgctccctct	1080
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cagccatcaa	acttctggac	agcaggtcac	ttccagcaag	gtggagaaag	ctgtccaccc	1200
acagagcatg	agatccagaa	accacaatat	ccattcacaa	acaaaacact	ttcagccaga	1260
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aatataattt	tcctctggag	ccatatggat	gaactatgaa	ggaagaactc	ccggaagaag	1440
ccagtcgag	agaagccaca	ctgaagctct	gtctccagcc	ctcagcgcca	cgacacggar	1500
tggtgtctct	ccccagtgat	gcagccctcaa	gttatccgca	agctgcggca	gcacacgggt	1560
gtctctgaga	aacaccccag	ctcttccggt	ctaacacagg	caagtcaata	aatgtgataa	1620
tcacataaac	agaattaaaa	gcaaaagtcac	ataagcatct	caacagacac	agaaaaggca	1680
tttgacaaaa	tcacacatcc	ttgtatttat	tgctgcagtt	ctcagaggaa	atgtttctaa	1740
cttttcccca	tttagtatta	tgctggctgt	gggttggtca	taggtggttt	ctattacttt	1800
aaggtatgct	ctctctatgc	ctgttttctt	gaggttttta	attctctgtc	c	1851

(210) 292

(211) 1851

0212: DNA

0213: Homo sapien

0400: 292

tcacacacac	tgcacagcgc	ggcacgcgta	gtcacggtttt	ctgggaatcc	cacatgagta	60
cttcgcgtgt	cttcattcct	cttcacatagc	cataaatctt	ctagctctgg	ctgggtgttt	120
tcacttctt	taagcctctg	tgaactctcc	tctgatgtca	gctttaagtc	ttgtctctgga	180
ctgctgtttt	cagaagagat	tttcaacatc	tgtttttctt	tgtagtccga	aagtaactgg	240
caaattacat	gatgatgaat	agaaacagca	taactctctg	cctgtcttcc	agatcttgag	300
aagatacctc	aacattctgc	tcaagtagag	ggctgaactat	aactgctgat	ccacaaacata	360
cagcaagtat	gagagcagtt	cttcacatct	tatccagcgc	atttaaatcc	gctttttctt	420
tgattaaaaa	tttcaaccct	tgtgtgtttt	gctcatgtat	accaaagtag	agtgggtgga	480
ggccatgctt	gttttttgat	togatatcag	caccgatata	gagcagtgct	ttgggcattta	540
atcttatctt	attgtagaca	gcatagtgta	gagtggtatt	tccatactca	tttggaatat	600
ctggagcag	gcacatgtcc	agcaacatta	acgcacatcc	atcttctctg	cattgtacgg	660
cttttgttct	agctgtctct	ttttgttgtt	caaggacatt	aagttgacat	cgtctgtcca	720
gcacagcttt	taactactct	gaattcccat	tggcagaggg	cagatgtaga	gcagtcctct	780
tttgcttgct	cctcttgctt	acatccgtgt	ccctgagcat	gacgatgaga	tcctttctgg	840
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acctgggctc	cattgaaggcg	ctgtcatcgt	agtctcccca	agcgacacag	ttgctcttgc	960
cgtctccctg	cagcagggga	agcagtgcca	gcacacactg	cacctcttgc	tcacaaagctt	1020
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gtccatccag	ggaggaagaa	atgcaggaaa	tgaagatgc	atgcacgatg	gtatactcct	1140
cagccatcaa	actctctggc	agcaggtcac	ttccagcaag	gtggagaaaag	ctgtccaccc	1200
acagaggatg	agatccagaa	accacacatc	ccattccaca	acaaacactt	ttcagccaga	1260
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ccagtccagc	agaagccaca	ctgaagctct	gtctccagcc	atcagcgcca	cggacaggat	1500
tgtgtttctt	ccacactgat	gcagcctcaa	gttatcccca	agctgcgcga	gcacacggtg	1560
gctctctgag	aacacccag	ctctcccggt	ctaacacagg	caagtcaata	aatgtgataa	1620
tcacataaac	agaattaaaa	gcacaaagtc	ataagcatct	caacagacac	agaaaaggca	1680
tttgacaaaa	tcacacatcc	ttgtatttat	tgttcaggtt	ctcagaggaa	atgcttctaa	1740
cttttcccca	tttagtatta	tgttggtgtg	gggtctgtca	tagggtggtt	ttattacttt	1800
aaggtatctc	cctctctatg	ctgttttctt	gaggttttta	attctctgtc	c	1860

0210: 293

0211: 668

0212: DNA

0213: Homo sapien

0400: 293

cttgagcttc	caaataygga	agactggccc	ttacacacgt	caatgttaaa	atgaatgcac	60
ttcagttatt	tgaagataaa	attngtagat	ctataccttg	ttttctgatt	cgatatcagc	120
acortataag	agcagtgctt	tggccattaa	tttatctttc	attctagaca	gortagtgya	180
gagtggtatt	tccatactca	tttggaatat	ttggatcagt	gcacatgtcc	agcaacatta	240
acgcacatcc	atcttctctg	cattgtacgg	cctgtcagta	ttagacccaa	aaacaaatta	300
catatcttag	gaattcaaaa	taacattcca	cagctttcac	caactagtta	tattttaaagg	360
agaaaaactc	tttttatgcc	atgtattgaa	atcaaaaccca	cctcatgctg	atatagttgg	420
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cgtctgtcca	gcaggagctt	taactactct	gaattcccat	tggcagaggg	cagatgtaga	540
gcagtcctat	gagagtgaga	agacttttta	ggaaattgta	gtgcactagc	tacagccata	600
gcaatgatto	atgtaaactgc	aaacactgaa	tagcctgcta	ttactctgca	ttcaaaaaaa	660
aaaaaaaa						668

#210: 294
 #211: 1512
 #212: DNA
 #213: Homo sapien

#400: 294

gggtgggcca	gaggsggggt	gggttttcc	gggtgggtg	gggttttcc	gtgggtgggg	80
gggggtggg	trgaatcccc	tggtgggtt	ggcaggtttt	gggtgggatt	gacttttytc	120
ttcaaacaga	ttggaaaccc	ggagttacct	gtagttgggt	gaaactgggt	ggtagacgog	160
atctgttgg	tactactggc	ttctcttggc	tgttaaaagc	agatgggtgg	tgaggttjat	240
tcctatgggg	ctgtcttctt	tgtgaagaag	ccatttgggt	tcaggagcaa	gatgggcaag	300
tggtgttcc	gttggcttcc	ctgtgcagg	gagagcggca	agagcaacgt	gggcaattct	360
ggagacccag	acgactctgc	tatgaagaca	ctcaggagca	agatgggcaa	gtgggtgggc	420
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gaogayttg	ctatgaagac	actcaggaac	aagatgggca	agtgggtgtg	ccactgtctc	540
ccctgtctga	gggggagcrg	caagagcaag	gtggcgcttc	ggggagacta	cgatgacagt	600
gcttctatgg	agcccaggtt	ccactgcgt	ggagaagatc	tggaacaagt	ccacagagct	660
gcttgggtggg	gtaaaagtccc	cagaaaggat	ctcatctgca	tgctcaggga	cactgagctg	720
aacaagaagg	acaaagcaaaa	gaggactgt	ctacatctgg	ccctctgccc	tggaattcca	780
gaagttagtaa	aaactctgt	ggacagacga	tgtcaactta	atgtccttga	caacaaaaag	840
aggacagctc	tgayaaaagg	cgtaacaatg	caggaagatg	aatgtgcgtt	aatgttgcgt	900
gaacatggca	ctgatccaaa	tattccagat	gagtatggaa	ataccactct	ccactaygct	960
rtctayaatg	aagataaatt	aatggccaaa	gcactgtctc	tataygggtg	tgatatcgaa	1020
tcaaaaaaca	acttatagat	ctactaattt	tatcttccaa	atactgaaat	gcattccattt	1080
taacattjac	gttgttaagg	gocagtcttc	cgtaatttgg	agctcaagca	taacttgaat	1140
gaaaatattt	taaaatgaac	taatttatct	agactttatt	ttaaaatatt	ttattttccaa	1200
agaagcatta	gagggtagag	tttttttttt	ttaaaatgac	ttctggtaaa	tacttttjtt	1260
gaaaacactg	aatttjtaaa	aggttaatac	tactattttt	caatttttcc	ctcttaggat	1320
ttttttcccc	taatgaatgt	aagatggcaa	aatttgcctc	gaaatagggt	ttacatgaaa	1380
actccaaqaa	aagttaaaac	tgtttcagtg	aatagagatc	ctgtctcttc	ggcaagttcc	1440
taaaaaacag	taatatagac	gaggtgatgc	gocgtctagt	ggcaaggttc	aagatatctc	1500
tgatctctgt	cc					1512

#210: 295
 #211: 1853
 #212: DNA
 #213: Homo sapien

#400: 295

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>210> 296

>211> 2184

>212> DNA

>213> Homo sapien

>400> 296

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<210> 297

<211> 1855

<212> DNA

<213> Homo sapien

<220>

<221> misc_feature

<222> (1)..(1855)

<223> n = A,T,C or G

<400> 297

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<210> 298

<211> 1859

<212> DNA

c213 • Homo sapien

c400 • 138

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c210 • 139

c211 • 139

c212 • PRT

c213 • Homo sapien

c400 • 299

Met	Asp	Ile	Val	Val	Ser	Gly	Ser	His	Pro	Leu	Trp	Val	Asp	Ser	Phe
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Leu	His	Leu	Ala	Gly	Ser	Asp	Leu	Leu	Ser	Arg	Ser	Leu	Met	Ala	Glu
		20						25					30		
Glu	Tyr	Thr	Ile	Val	His	Ala	Ser	Phe	Ile	Ser	Cys	Ile	Ser	Ser	Ser
	35						40					45			
Leu	Asp	Gly	Gln	Gly	Glu	Arg	Gln	Glu	Gln	Arg	Gly	His	Phe	Trp	Arg
	50					55				60					
Pro	Gln	Arg	Leu	Leu	Cys	Glu	Asp	Ala	Trp	Glu	Gln	Glu	Val	Gln	Val
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Val	Ala	Trp	Gly	Asp	Tyr	Asp	Asp	Ser	Ala	Phe	Met	Asp	Pro	Arg	Tyr
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His	Val	His	Gly	Glu	Asp	Leu	Asp	Lys	Leu	His	Arg	Ala	Ala	Trp	Trp
	115						120					125			
Gly	Lys	Val	Pro	Arg	Lys	Asp	Leu	Ile	Val	Met	Leu	Arg	Asp	Thr	Asp
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Ala	Asn	Gly	Asn	Ser	Glu	Val	Val	Lys	Leu	Val	Leu	Asp	Arg	Arg	Cys
			165					170					175		
Gln	Leu	Asn	Val	Leu	Asp	Asn	Lys	Lys	Arg	Thr	Ala	Leu	Thr	Lys	Ala
	180						185						190		
Val	Gln	Cys	Gln	Glu	Asp	Glu	Cys	Ala	Leu	Met	Leu	Leu	Glu	His	Gly
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Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr
210 215 220
Ala Val Tyr Asn Glu Asp Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr
225 230 235 240
Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu
245 250 255
Leu Gly Ile His Glu Gln Lys Gln Gln Val Val Lys Phe Leu Ile Lys
260 265 270
Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr Gly Arg Thr Ala Leu
275 280 285
Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile Val Ser Pro Leu Leu
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Ser Met Leu Phe Leu Val Ile Ile Met
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<210> 300

<211> 148

<212> PRT

<213> Homo sapien

<220>

<221> VARIANT

<222> (1)...(148)

<223> Xaa = Any Amino Acid

<400> 300

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35 40 45
Gln Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu
50 55 60
Val Val Lys Leu Xaa Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp
65 70 75 80
Asn Lys Lys Arg Thr Ala Leu Xaa Lys Ala Val Gln Cys Gln Glu Asp
85 90 95
Glu Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro
100 105 110
Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Xaa Tyr Asn Glu Asp
115 120 125
Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser
130 135 140
Lys Asn Lys Val
145

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<210> 301

<211> 1155

<212> DNA

<213> Homo sapien

<400> 301

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<210> 302

<211> 2000

<212> DNA

<213> Homo sapien

<400> 302

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agaacacctg	aaagccagca	atttccctgac	actgagaatg	aagagtatca	cagtgaacgaa	1740
caaaaatata	ctcagaagca	attttgtgaa	gaacagaaca	ctggaatatt	acacgatgag	1800
attctgatto	atgaagaaaa	gcagatagaa	gtggctgaaa	aaatgaatcc	tgagcttctc	1860
cttagttcta	agaaagaaaa	agacatcttg	catgaaaaata	gtacgttgcg	ggaagaaatt	1920
gocattgtaa	gactggagct	agacacaaatg	aaacatcaga	gocagctaaa	aaaaaaaaaa	1980
aaaaaaaaaa	aaaaaaaaaa					2040

c10: 303

c11: 340

c12: DNA

c13: Homo sapien

c400: 303

atgggtgattg	aggttgatto	catgcgggct	gcctctctctg	tgaagaagcc	atttggtctc	60
aggagcaaga	tgggcaagtg	gtgctgccgt	tgcttccctc	gctgcaggga	gagcggaag	120
agcaaccttg	gcactctctg	agaccaagac	gaactctgcta	tgaagacact	caggagcaag	180
atgggcaagt	ggtgcggcca	ctgcttcccc	tgtctcaggg	ggagtggcaa	gagcaacgtg	240
ggcgctctctg	gagaccaaga	cgactctgct	atgaagacac	tcaggaaaca	gatgggcaag	300
tgggtgctgac	actgcttccc	ctgctgcagg	gggaggggca	agagcaaggt	ggcgctcttg	360
ggagactacg	atgacagtgc	cttcattggag	cccaggtaac	acgtccgtgg	agaagatctg	420
gacaagctcc	acagagctgc	ctggtygggt	aaagtcccca	gaaaggatct	catcgtcatg	480
ctcagggaca	ctgacttgaa	caagaaggac	aagcaaaaaga	ggaactgctct	acatctggcc	540
ctcgccaatg	ggaattcaga	agtagtaaaa	ctcctgctgg	acagacgatg	tcaccttaat	600
gtcctttgaca	acaaaaagag	gacagctctg	ataaaggcgg	tacaatgcca	ggaagatgaa	660
tgtgcgttaa	tgttgctgga	acatggcact	gatccaaaata	ttccagatga	gtatggaaat	720
accactctgc	actacgctat	ctataatgaa	gataaaattaa	tggccaaaagc	actgctctta	780
catggtgctg	atatogaaat	aaaaaaccaag	catggcctca	caaccctggt	acttggtgta	840
ctggatcaaa	aaacgaagt	cttgaaaattt	ttaatcaaga	aaaaagcgaa	tttaaatgca	900
ctggatcaat	atggaaggac	tgctctcata	cttgctgtat	gttggtggatc	agcaagtata	960
gtcagccttc	tacttgagca	aaatatggat	gtatctcttc	aagatctatc	tggaacagacg	1020
gocagagagt	atgctgcttc	tagtcatcat	catgtaattt	gocagttact	ctctgaactac	1080
aaagaaaaaa	agatgctaaa	aatctctctc	gaaaaacagca	atccagaaca	agaacttaag	1140
ctgacatcag	aggaagagtc	acaaaaggctc	aaaggcagtg	aaaatagcca	gocagagaaa	1200
atgtctcaag	aaacagaaat	aaataaggat	ggtgatagag	aggttgaaga	agaaatgaag	1260
aagcatgaaa	gttaataatgt	gggatttacta	gaaaaactga	ctaattggtgt	cactgctggc	1320
aatggctata	atggattaat	tcctcaaaag	aagagcagaa	caactgaaaa	tcagcaatttt	1380
cctgacaaacg	aaagtgaaga	gtatcacaga	atttgccaat	tagttctctga	ctacaaagaa	1440
aaacagatgc	caaaaatactc	ttctgaaaaa	agcaaacccag	aaacaagactt	aaagctgaca	1500
tcagagguag	agtccaaaaa	gcttgaggggc	agtgaaaaatg	gocagccaga	gaaaagatct	1560
caagaacccag	aaataaaata	ggatgggtgat	agagagctag	aaaatttttat	ggctatcgaa	1620
gaaatgagga	agcaagggaag	tactcatgtc	ggattccag	aaaaactgac	taattggtgoc	1680
actgctgcca	atggtgatga	tggaattaaat	ctcccaagga	agagcagaa	acctgaaagc	1740
cagcaatttc	ctpacactga	gaaatgaagag	tatcacagtg	acgaacaaaa	tgataactcag	1800
aagcaattttt	gtgaagaaca	gaacactggga	atattacacg	atgagattct	gattcatgaa	1860
gaaaagccaga	tgaagtggt	tgaaaaaatg	aattctgagc	cttctcttag	ctgtaagaaa	1920
gaaaaaqaca	ctctgcatga	aaatagtaacg	ttgggggaag	aaattgocat	gctaagactg	1980
gagctaqaca	caatgaaaaa	tcagagccacg	ctaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	2040

c100: 304

c110: 384

c120: PST

c130: Homo sapien

*4000- 304

Met	Val	Val	Glu	Val	Asp	Ser	Met	Pro	Ala	Ala	Ser	Ser	Val	Lys	Lys
1				5					11					11	
Pro	Phe	Gly	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp	Cys	Cys	Arg	Cys	Phe
			20					25					30		
Pro	Cys	Cys	Arg	Glu	Ser	Gly	Lys	Ser	Asn	Val	Gly	Thr	Ser	Gly	Asp
			35				40					45			
His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp
	50					55					60				
Cys	Arg	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser	Gly	Lys	Ser	Asn	Val
65					70					75					80
Gly	Ala	Ser	Gly	Asp	His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Asn
				85					90					95	
Lys	Met	Gly	Lys	Trp	Cys	Cys	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser
			100					105					110		
Gly	Lys	Ser	Lys	Val	Gly	Ala	Trp	Gly	Asp	Tyr	Asp	Asp	Ser	Ala	Phe
			115				120					125			
Met	Glu	Pro	Arg	Tyr	His	Val	Arg	Gly	Glu	Asp	Leu	Asp	Lys	Leu	His
	130					135					140				
Arg	Ala	Ala	Trp	Trp	Gly	Lys	Val	Pro	Arg	Lys	Asp	Leu	Ile	Val	Met
145					150					155					160
Leu	Arg	Asp	Thr	Asp	Val	Asn	Lys	Lys	Asp	Lys	Gln	Lys	Arg	Thr	Ala
				165					170					175	
Leu	His	Leu	Ala	Ser	Ala	Asn	Gly	Asn	Ser	Glu	Val	Val	Lys	Leu	Leu
			180				185						190		
Leu	Asp	Arg	Arg	Cys	Gln	Leu	Asn	Val	Leu	Asp	Asn	Lys	Lys	Arg	Thr
	195						200					205			
Ala	Leu	Ile	Lys	Ala	Val	Gln	Cys	Gln	Glu	Asp	Gln	Cys	Ala	Leu	Met
	210					215					220				
Leu	Leu	Glu	His	Gly	Thr	Asp	Pro	Asn	Ile	Pro	Asp	Glu	Tyr	Gly	Asn
225					230					235					240
Thr	Thr	Leu	His	Tyr	Ala	Ile	Tyr	Asn	Glu	Asp	Lys	Leu	Met	Ala	Lys
				245					250					255	
Ala	Leu	Leu	Leu	Tyr	Gly	Ala	Asp	Ile	Glu	Ser	Lys	Asn	Lys	His	Gly
				260				265					270		
Leu	Thr	Pro	Leu	Leu	Leu	Gly	Val	His	Glu	Gln	Lys	Gln	Gln	Val	Val
			275				280					285			
Lys	Phe	Leu	Ile	Lys	Lys	Lys	Ala	Asn	Leu	Asn	Ala	Leu	Asp	Arg	Tyr
	290					295					300				
Gly	Arg	Thr	Ala	Leu	Ile	Leu	Ala	Val	Cys	Cys	Gly	Ser	Ala	Ser	Ile
305					310					315					320
Val	Ser	Leu	Leu	Leu	Glu	Gln	Asn	Ile	Asp	Val	Ser	Ser	Gln	Asp	Leu
				325					330					335	
Ser	Gly	Gln	Thr	Ala	Arg	Glu	Tyr	Ala	Val	Ser	Ser	His	His	His	Val
				340				345					350		
Ile	Cys	Gln	Leu	Leu	Ser	Asp	Tyr	Lys	Glu	Lys	Gln	Met	Leu	Lys	Ile
		355					360					365			
Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Asn	Val	Ser	Arg	Thr	Arg	Asn	Lys
	370					375					380				

*2100- 305

*2110- 656

*2120- PBT

(213) Homo sapien

(400) 305

Met	Val	Val	Glu	Val	Asp	Ser	Met	Pro	Ala	Ala	Ser	Ser	Val	Lys	Lys	1	5	10	15
Pro	Phe	Gly	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp	Cys	Cys	Arg	Cys	Phe	20	25	30	
Pro	Cys	Cys	Arg	Glu	Ser	Gly	Lys	Ser	Asn	Val	Gly	Thr	Ser	Gly	Asp	35	40	45	
His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp	50	55	60	
Cys	Arg	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser	Gly	Lys	Ser	Asn	Val	65	70	75	80
Gly	Ala	Ser	Gly	Asp	His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Asn	85	90	95	
Lys	Met	Gly	Lys	Trp	Cys	Cys	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser	100	105	110	
Gly	Lys	Ser	Lys	Val	Gly	Ala	Trp	Gly	Asp	Tyr	Asp	Asp	Ser	Ala	Phe	115	120	125	
Met	Glu	Pro	Arg	Tyr	His	Val	Arg	Gly	Glu	Asp	Leu	Asp	Lys	Leu	His	130	135	140	
Arg	Ala	Ala	Trp	Trp	Gly	Lys	Val	Pro	Arg	Lys	Asp	Leu	Ile	Val	Met	145	150	155	160
Leu	Arg	Asp	Thr	Asp	Val	Asn	Lys	Lys	Asp	Lys	Gln	Lys	Arg	Thr	Ala	165	170	175	
Leu	His	Leu	Ala	Ser	Ala	Asn	Gly	Asn	Ser	Glu	Val	Val	Lys	Leu	Leu	180	185	190	
Leu	Asp	Arg	Arg	Cys	Gln	Leu	Asn	Val	Leu	Asp	Asn	Lys	Lys	Arg	Thr	195	200	205	
Ala	Leu	Ile	Lys	Ala	Val	Gln	Cys	Gln	Glu	Asp	Glu	Cys	Ala	Leu	Met	210	215	220	
Leu	Leu	Glu	His	Gly	Thr	Asp	Pro	Asn	Ile	Pro	Asp	Glu	Tyr	Gly	Asn	225	230	235	240
Thr	Thr	Leu	His	Tyr	Ala	Ile	Tyr	Asn	Glu	Asp	Lys	Leu	Met	Ala	Lys	245	250	255	
Ala	Leu	Leu	Leu	Tyr	Gly	Ala	Asp	Ile	Glu	Ser	Lys	Asn	Lys	His	Gly	260	265	270	
Leu	Thr	Pro	Leu	Leu	Leu	Gly	Val	His	Glu	Gln	Lys	Gln	Gln	Val	Val	275	280	285	
Lys	Phe	Leu	Ile	Lys	Lys	Lys	Ala	Asn	Leu	Asn	Ala	Leu	Asp	Arg	Tyr	290	295	300	
Gly	Arg	Thr	Ala	Leu	Ile	Leu	Ala	Val	Cys	Cys	Gly	Ser	Ala	Ser	Ile	305	310	315	320
Val	Ser	Leu	Leu	Leu	Glu	Gln	Asn	Ile	Asp	Val	Ser	Ser	Gln	Asp	Leu	325	330	335	
Ser	Gly	Gln	Thr	Ala	Arg	Glu	Tyr	Ala	Val	Ser	Ser	His	His	His	Val	340	345	350	
Ile	Cys	Gln	Leu	Leu	Ser	Asp	Tyr	Lys	Glu	Lys	Gln	Met	Leu	Lys	Ile	355	360	365	
Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Gln	Asp	Leu	Lys	Leu	Thr	Ser	Glu	370	375	380	
Glu	Glu	Ser	Gln	Arg	Phe	Lys	Gly	Ser	Glu	Asn	Ser	Gln	Pro	Glu	Lys	385	390	395	400
Met	Ser	Gln	Glu	Pro	Glu	Ile	Asn	Lys	Asp	Gly	Asp	Arg	Glu	Val	Glu				

				405					410				415		
Glu	Glu	Met	Lys	Lys	His	Glu	Ser	Asn	Asn	Val	Gly	Leu	Leu	Glu	Asn
			410					425					430		
Leu	Thr	Asn	Gly	Val	Thr	Ala	Gly	Asn	Gly	Asp	Asn	Gly	Leu	Ile	Pro
		435					440					445			
Gln	Arg	Lys	Ser	Arg	Thr	Pro	Glu	Asn	Gln	Gln	Phe	Pro	Asp	Asn	Glu
	450					455					460				
Ser	Glu	Glu	Tyr	His	Arg	Ile	Cys	Glu	Leu	Val	Ser	Asp	Tyr	Lys	Glu
465					470					475					480
Lys	Gln	Met	Pro	Lys	Tyr	Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Gln	Asp
			485					490							495
Leu	Lys	Leu	Thr	Ser	Glu	Glu	Glu	Ser	Gln	Arg	Leu	Glu	Gly	Ser	Glu
		500						505					510		
Asn	Gly	Gln	Pro	Glu	Leu	Glu	Asn	Phe	Met	Ala	Ile	Glu	Glu	Met	Lys
	515						520					525			
Lys	His	Gly	Ser	Thr	His	Val	Gly	Phe	Pro	Glu	Asn	Leu	Thr	Asn	Gly
	530					535						540			
Ala	Thr	Ala	Gly	Asn	Gly	Asp	Asp	Gly	Leu	Ile	Pro	Pro	Arg	Lys	Ser
545					550					555					560
Arg	Thr	Pro	Glu	Ser	Gln	Gln	Phe	Pro	Asp	Thr	Glu	Asn	Gln	Glu	Tyr
			565						570						575
His	Ser	Asp	Glu	Gln	Asn	Asp	Thr	Gln	Lys	Gln	Phe	Cys	Glu	Glu	Gln
		580						585					590		
Asn	Thr	Gly	Ile	Leu	His	Asp	Glu	Ile	Leu	Ile	His	Glu	Glu	Lys	Gln
	595						600					605			
Ile	Glu	Val	Val	Glu	Lys	Met	Asn	Ser	Glu	Leu	Ser	Leu	Ser	Cys	Lys
	610					615					620				
Lys	Glu	Lys	Asp	Ile	Leu	His	Glu	Asn	Ser	Thr	Leu	Arg	Glu	Glu	Ile
625					630					635					640
Ala	Met	Leu	Arg	Leu	Glu	Leu	Asp	Thr	Met	Lys	His	Gln	Ser	Gln	Leu
			645						650						655

-210- 396

-211- 671

-212- PRT

-213- Homo sapien

-400- 396

Met	Val	Val	Glu	Val	Asp	Ser	Met	Pro	Ala	Ala	Ser	Ser	Val	Lys	Lys
1			5					10						15	
Pro	Phe	Gly	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp	Cys	Cys	Arg	Cys	Phe
		20						25					30		
Pro	Cys	Cys	Arg	Glu	Ser	Gly	Lys	Ser	Asn	Val	Gly	Thr	Ser	Gly	Asp
		35					40					45			
His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp
	50					55					60				
Cys	Arg	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser	Gly	Lys	Ser	Asn	Val
65					70				75						80
Gly	Ala	Ser	Gly	Asp	His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Asn
			85					90						95	
Lys	Met	Gly	Lys	Trp	Cys	Cys	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser
		100						105					110		
Gly	Lys	Ser	Lys	Val	Gly	Ala	Trp	Gly	Asp	Tyr	Asp	Asp	Ser	Ala	Phe
	115						120						125		

Met	Glu	Pro	Arg	Tyr	His	Val	Arg	Gly	Glu	Asp	Leu	Asp	Lys	Leu	His
130						135					140				
Arg	Ala	Ala	Trp	Trp	Gly	Lys	Val	Pro	Arg	Lys	Asp	Leu	Ile	Val	Met
145					150					155					160
Leu	Arg	Asp	Thr	Asp	Val	Asn	Lys	Lys	Asp	Lys	Gln	Lys	Arg	Thr	Ala
				165					170						175
Leu	His	Leu	Ala	Ser	Ala	Asn	Gly	Asn	Ser	Glu	Val	Val	Lys	Leu	Leu
			180					185					190		
Leu	Asp	Arg	Arg	Cys	Gln	Leu	Asn	Val	Leu	Asp	Asn	Lys	Lys	Arg	Thr
	195						200					205			
Ala	Leu	Ile	Lys	Ala	Val	Gln	Cys	Gln	Glu	Asp	Glu	Cys	Ala	Leu	Met
	210					215					220				
Leu	Leu	Glu	His	Gly	Thr	Asp	Pro	Asn	Ile	Pro	Asp	Glu	Tyr	Gly	Asn
225					230					235					240
Thr	Thr	Leu	His	Tyr	Ala	Ile	Tyr	Asn	Glu	Asp	Lys	Leu	Met	Ala	Lys
				245					250						255
Ala	Leu	Leu	Leu	Tyr	Gly	Ala	Asp	Ile	Glu	Ser	Lys	Asn	Lys	His	Gly
			260					265					270		
Leu	Thr	Pro	Leu	Leu	Leu	Gly	Val	His	Glu	Gln	Lys	Gln	Gln	Val	Val
			275				280						285		
Lys	Phe	Leu	Ile	Lys	Lys	Lys	Ala	Asn	Leu	Asn	Ala	Leu	Asp	Arg	Tyr
	290					295					300				
Gly	Arg	Thr	Ala	Leu	Ile	Leu	Ala	Val	Cys	Cys	Gly	Ser	Ala	Ser	Ile
305					310					315					320
Val	Ser	Leu	Leu	Leu	Glu	Gln	Asn	Ile	Asp	Val	Ser	Ser	Gln	Asp	Leu
				325					330					335	
Ser	Gly	Gln	Thr	Ala	Arg	Glu	Tyr	Ala	Val	Ser	Ser	His	His	His	Val
			340					345					350		
Ile	Cys	Gln	Leu	Leu	Ser	Asp	Tyr	Lys	Glu	Lys	Gln	Met	Leu	Lys	Ile
	355						360					365			
Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Gln	Asp	Leu	Lys	Leu	Thr	Ser	Glu
	370					375				380					
Glu	Glu	Ser	Gln	Arg	Phe	Lys	Gly	Ser	Glu	Asn	Ser	Gln	Pro	Glu	Lys
	385				390					395					400
Met	Ser	Gln	Glu	Pro	Glu	Ile	Asn	Lys	Asp	Gly	Asp	Arg	Glu	Val	Glu
			405						410					415	
Glu	Glu	Met	Lys	Lys	His	Glu	Ser	Asn	Asn	Val	Gly	Leu	Leu	Glu	Asn
		420						425					430		
Leu	Thr	Asn	Gly	Val	Thr	Ala	Gly	Asn	Gly	Asp	Asn	Gly	Leu	Ile	Pro
	435						440					445			
Gln	Arg	Lys	Ser	Arg	Thr	Pro	Glu	Asn	Gln	Gln	Phe	Pro	Asp	Asn	Glu
	450					455					460				
Ser	Glu	Glu	Tyr	His	Arg	Ile	Cys	Glu	Leu	Val	Ser	Asp	Tyr	Lys	Glu
	465				470					475					480
Lys	Gln	Met	Pro	Lys	Tyr	Ser	Ser	Glu	Asn	Ser	Asn	Pro	Glu	Gln	Asp
			485					490						495	
Leu	Lys	Leu	Thr	Ser	Glu	Glu	Gln	Ser	Gln	Arg	Leu	Glu	Gly	Ser	Glu
			500					505					510		
Asn	Gly	Gln	Pro	Glu	Lys	Arg	Ser	Gln	Glu	Pro	Glu	Ile	Asn	Lys	Asp
	515						520					525			
Gly	Asp	Arg	Glu	Leu	Glu	Asn	Phe	Met	Ala	Ile	Glu	Glu	Met	Lys	Lys
	530					535					540				
His	Gly	Ser	Thr	His	Val	Gly	Phe	Pro	Glu	Asn	Leu	Thr	Asn	Gly	Ala
545					550					555					560

Thr Ala Gly Asn Gly Asp Asp Gly Leu Ile Pro Pro Arg Lys Ser Arg
 565 570 575
 Thr Pro Glu Ser Gln Gln Phe Pro Asp Thr Glu Asn Glu Glu Tyr His
 580 585 590
 Ser Asp Glu Gln Asn Asp Thr Gln Lys Gln Phe Cys Glu Glu Gln Asn
 595 600 605
 Thr Gly Ile Leu His Asp Glu Ile Leu Ile His Glu Glu Lys Gln Ile
 610 615 620
 Glu Val Val Glu Lys Met Asn Ser Glu Leu Ser Leu Ser Cys Lys Lys
 625 630 635 640
 Glu Lys Asp Ile Leu His Glu Asn Ser Thr Leu Arg Glu Glu Ile Ala
 645 650 655
 Met Leu Arg Leu Glu Leu Asp Thr Met Lys His Gln Ser Gln Leu
 660 665 670

>C10: 307

>C11: 200

>C12: DNA

>C13: Homo sapien

>400: 307

atgagcttcc	gctttctgaa	acactagaga	tcctccctcc	ccctcagggt	atggccctcc	60
acttcatttt	tgtacataa	catctttata	ggacaggggt	aaaatcccaa	tactaacagg	120
agaatgctta	ggactctaac	aggtttttga	gaatgtgttg	gtaagggcca	ctcaatccaa	180
ttttttctgg	tcctccttgt	ggtctaggag	gacaggccaag	ggtgcagatt	ttcaagaatg	240
catcagtaag	ggccactaaa	tcggaccttc	ctcgttctct	cttgtggtct	gggaggaaaa	300
ctagtgtttc	tgttgcctgt	tcagtgcagc	caactatttc	gacagccagg	gtccaggggc	360
cactgcaggt	tcctggggcag	ggggagaaaac	aaaacaaaac	aaaacccatg	gargttttgt	420
ctttcagatg	ggaaacactc	agggcatcaac	aggtccacct	ttgaaatgca	tcctaagcca	480
atggggacaaa	tttgacccac	aaacccctgga	aaaagaggtg	gtccattttt	tttgacttat	540
ggcttgggcc	caacattctc	tcctctgatgg	ggaaaaatgg	ccacctgagg	gaagtacaga	600
ttacaatact	atccctgcag	ttgaactttt	ctgtaagagg	gaaggcaaat	ggagtgaat	660
accttatctc	caagctttct	tttcattgaa	ggagaatata	ctatgcaaa	cttgaaattt	720
acatcccaca	ggaggacctc	tcagcttacc	cccatactct	agcctcccta	tagctccct	780
tcctattagt	gataagctc					800

>C10: 308

>C11: 102

>C12: PRT

>C13: Homo sapien

>C10:

>C11: VARIANT

>C12: (1)...(102)

>C13: Xaa = Any Amino Acid

>400: 308

Met Gly Xaa Phe Val Phe Gln Met Gly Asn Thr Gln Ala Ser Thr Gly
 1 5 10 15
 Ser Pro Leu Lys Cys Ile Leu Ser Gln Trp Asp Lys Phe Asp Pro Gln
 20 25 30
 Thr Leu Glu Lys Glu Val Ala His Phe Phe Cys Thr Met Ala Trp Pro
 35 40 45
 Gln His Ser Leu Ser Asp Gly Glu Lys Trp Pro Pro Glu Gly Ser Thr

50		55		60
Asp Tyr Asn Thr Ile Leu Gln Leu Asp Leu Phe Cys Lys Arg Glu Gly				
65		70		75
Lys Trp Ser Glu Ile Pro Tyr Val Gln Ala Phe Phe Ser Leu Lys Glu				
	85		90	95
Asn Thr Leu Cys Lys Ala				
100				

<210> 309
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> Made in the lab

<400> 309
 Leu Met Ala Glu Glu Tyr Thr Ile Val
 1 5

<210> 310
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> Made in the lab

<400> 310
 Lys Leu Met Ala Lys Ala Leu Leu Leu
 1 5

<210> 311
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> Made in the lab

<400> 311
 Gly Leu Thr Pro Leu Leu Leu Gly Ile
 1 5

<210> 312
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <221> Made in the lab

<400> 312
 Lys Leu Val Leu Asp Arg Arg Cys Gln Leu

1

5

10

00100 • 313
 00111 • 1852
 00112 • DNA
 00113 • Homo sapiens

00400 • 313

ggcaccgagaa	ttaaaacccct	cagcaaaaaca	ggcatagaag	ggacataccct	taaagtaata	60
aaaaaccacct	atgacaagcc	cacagccaac	ataatactaa	atggggaaaa	gttagaagca	120
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tgggtattccc	agaaaacctg	actaaacgggtg	ccgtctgtgg	caatggctgat	ga	1862

00110 • 314
 00111 • 379
 00112 • DNA
 00113 • Homo sapiens

00400 • 314

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```

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```

0010 * 315

0011 * 292

0012 * PRT

0013 * Homo sapiens

0400 * 315

```

Met His Leu Ser Phe Pro Ala Phe Leu Pro Pro Trp Met Asp Arg Gly
      5              10              15

```

```

Ser Gly Lys Ser Asn Val Gly Thr Ser Gly Asp His Asn Asp Ser Ser
      20              25              30

```

```

Val Lys Thr Leu Gly Ser Lys Arg Cys Lys Trp Cys Cys His Cys Phe
      35              40              45

```

```

Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Val Val Ala Trp Gly Asp
      50              55              60

```

```

Tyr Asp Asp Ser Ala Phe Met Asp Pro Arg Tyr His Val His Gly Glu
      65              70              75              80

```

```

Asp Leu Asp Lys Leu His Arg Ala Ala Trp Trp Gly Lys Val Pro Arg
      85              90              95

```

```

Lys Asp Leu Ile Val Met Leu Arg Asp Thr Asp Val Asn Lys Arg Asp
     100              105              110

```

```

Lys Gln Lys Arg Thr Ala Leu His Leu Ala Ser Ala Asn Gly Asn Ser
     115              120              125

```

```

Glu Val Val Lys Leu Val Leu Asp Arg Arg Cys Gln Leu Asn Val Leu
     130              135              140

```

```

Asp Asn Lys Lys Arg Thr Ala Leu Thr Lys Ala Val Gln Cys Gln Glu
     145              150              155              160

```

```

Asp Glu Cys Ala Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile
     165              170              175

```

```

Pro Asp Glu Tyr Gly Asn Thr Thr Leu His Tyr Ala Val Tyr Asn Glu
     180              185              190

```

```

Asp Lys Leu Met Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu
     195              200              205

```

```

Ser Lys Asn Lys His Gly Leu Thr Pro Leu Leu Leu Gly Ile His Glu

```

210 215 220
 Gln Lys Gln Gln Val Val Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu
 215 230 235 240
 Asn Ala Leu Asp Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala Val Cys
 245 250 255
 Cys Gly Ser Ala Ser Ile Val Ser Pro Leu Leu Glu Gln Asn Val Asp
 260 265 270
 Val Ser Ser Gln Asp Leu Glu Arg Arg Pro Glu Ser Met Leu Phe Leu
 275 280 285
 Val Ile Ile Met
 290

<210> 316
 <211> 584
 <212> DNA
 <213> Homo sapiens

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 gaggtttatc actaatagga aggggagcta tagggagggt aggatatggg ggtaagctga 180
 gaggtccctc tgggggatgt aaatttcaag ctttgcatag tgtattctcc ttcaatgaaa 240
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 gctgcaggat agtattgtaa tctgtacttc cctcaggttg ccatttttcc ccacagaga 360
 gagaatgttg gggccaaagc atagtgcaga aaaaaaaatg agccacctct tctccaggg 420
 tttggggttc aaatttgcct cattgggctta ggatgcattt caaagggtgag cctgttgatg 480
 cctgagttct tcccatctga aagacaaaa tgcccatggt ttgggtttgt ttgtttctc 540
 cccctgacca agaactatca aaactcctgag caacaaacta aaaa 584

<210> 317
 <211> 829
 <212> DNA
 <213> Homo sapiens

<400> 317
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 acttcatttt tggtagataa catctttata ggacaggggt aaatcccaa tactaacagg 120
 agaattgctta ggactctaac aggtttttga gaatgtgttg gtaagggcca ctcaatccaa 180
 tttttcttgg tccctcctgt ggtctaggag gacaggcaag ggtgcagatt ttcaagaatg 240
 caccagtaag ggcactaaa tccgacttcc ctggttcttc cttgggtctt gggaggaaaa 300
 ctagtgtttc tgttgctgtg tcagtgagca caactattcc gatcagcagg gtccagggac 360
 cactgcagggt tcttgggca ggggagaaa aaaaacaaac aaaaacctgg gaagttttgt 420
 ctttcagatg ggaacactc aggcacaaac aggtcacct ttgaaatgca tccaaagcca 480
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 ggcttggccc caaatctctc tctctgatgg ggaataatgg ccacctgagg gaagtacaga 600
 ttacaatact atcctgcagg ttgacttttt ctgtaagagg gaaggcaaat ggagtgaat 660
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 tccattaggt gataagctc ctctaatac ccccaaccag aagaaaata 829

<210> 318
 <211> 30
 <212> PRT
 <213> Homo sapien

<400> 318
 Thr Ala Ala Ser Asp Asn Phe Gln Leu Ser Gln Gly Gly Gln Gly Phe
 1 5 10 15
 Ala Ile Pro Ile Gly Gln Ala Met Ala Ile Ala Gly Gln Ile
 20 25 30

<210> 319
 <211> 41
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 319

gpgctctgac aatgggaact cagaagtagt aaaactcctg c 41

<210> 320
 <211> 41
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 320

gcacagattt tactacttct gagttcccat tggcagagga c 41

<210> 321
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 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 321

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 ttccatgacg 60

<210> 322
 <211> 42
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 322

ccagaattct tatttatttc tggttottga gacattttct gg

42

<210> 323
 <211> 1590
 <212> DNA
 <213> Homo sapiens

<400> 323

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acggttcata	tggggcctac	cgcttctctc	ggcttgggtg	ttgtcgacaa	caacggcaac	180
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aacaagatgg	gcaagtgggtg	ctgcccactgc	ttcccctgct	gcagggggag	cggaagagac	780
aaggtggggc	cttgggggaga	ctaagatgac	agygccctca	tggagcccag	gtaccacgtc	840
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<210> 324
 <211> 529
 <212> PRT
 <213> Homo sapiens

<400> 324

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Ser	Gln	Gly	Gly	Gln	Gly	Phe	Ala	Ile	Pro	Ile	Gly	Gln	Ala	Met	Ala	20	25	30	
Ile	Ala	Gly	Gln	Ile	Lys	Leu	Pro	Thr	Val	His	Ile	Gly	Pro	Thr	Ala	35	40	45	
Phe	Leu	Gly	Leu	Gly	Val	Val	Asp	Asn	Asn	Gly	Asn	Gly	Ala	Arg	Val	50	55	60	
Gln	Arg	Val	Val	Gly	Ser	Ala	Pro	Ala	Ala	Ser	Leu	Gly	Ile	Ser	Thr	65	70	75	80
Gly	Asp	Val	Ile	Thr	Ala	Val	Asp	Gly	Ala	Pro	Ile	Asn	Ser	Ala	Thr	85	90	95	
Ala	Met	Ala	Asp	Ala	Leu	Asn	Gly	His	His	Pro	Gly	Asp	Val	Ile	Ser	100	105	110	
Val	Thr	Trp	Gln	Thr	Lys	Ser	Gly	Gly	Thr	Arg	Thr	Gly	Asn	Val	Thr	115	120	125	
Leu	Ala	Glu	Gly	Pro	Pro	Ala	Glu	Phe	Pro	Leu	Val	Pro	Arg	Gly	Ser	130	135	140	
Pro	Met	Val	Val	Glu	Val	Asp	Ser	Met	Pro	Ala	Ala	Ser	Ser	Val	Lys	145	150	155	160
Lys	Pro	Phe	Gly	Leu	Arg	Ser	Lys	Met	Gly	Lys	Trp	Cys	Cys	Arg	Cys	165	170	175	
Phe	Pro	Cys	Cys	Arg	Glu	Ser	Gly	Lys	Ser	Asn	Val	Gly	Thr	Ser	Gly	180	185	190	
Asp	His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	Ser	Lys	Met	Gly	Lys	195	200	205	
Trp	Cys	Arg	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	Ser	Gly	Lys	Ser	Asn	210	215	220	
Val	Gly	Ala	Ser	Gly	Asp	His	Asp	Asp	Ser	Ala	Met	Lys	Thr	Leu	Arg	225	230	235	240
Asn	Lys	Met	Gly	Lys	Trp	Cys	Cys	His	Cys	Phe	Pro	Cys	Cys	Arg	Gly	245	250	255	
Ser	Gly	Lys	Ser	Lys	Val	Gly	Ala	Trp	Gly	Asp	Tyr	Asp	Asp	Ser	Ala	260	265	270	
Phe	Met	Glu	Pro	Arg	Tyr	His	Val	Arg	Gly	Glu	Asp	Leu	Asp	Lys	Leu	275	280	285	

His Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val
 290 295 300
 Met Leu Arg Asp Thr Asp Val Asn Lys Lys Asp Lys Gln Lys Arg Thr
 305 310 315 320
 Ala Leu His Leu Ala Ser Ala Asn Gly Asn Ser Gln Val Val Lys Leu
 325 330 335
 Leu Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg
 340 345 350
 Thr Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu
 355 360 365
 Met Leu Leu Gln His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly
 370 375 380
 Asn Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala
 385 390 395 400
 Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His
 405 410 415
 Gly Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val
 420 425 430
 Val Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg
 435 440 445
 Tyr Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser
 450 455 460
 Ile Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln Asp
 465 470 475 480
 Leu Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His
 485 490 495
 Val Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys
 500 505 510
 Ile Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn
 515 520 525

Lys

(210) 325

(211) 1155

(212) DNA

(213) Homo sapiens

(400) 325

```

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accagaaata aataa
1155

```

210 326

211 384

212 PRT

213 Homo sapiens

400 326

Met Val Ala Glu Val Cys Ser Met Pro Thr Ala Ser Thr Val Lys Lys
5 10 15

Pro Phe Asp Leu Arg Ser Lys Met Gly Lys Trp Cys His His Arg Phe
20 25 30

Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Met Gly Thr Ser Gly Asp
35 40 45

His Asp Asp Ser Phe Met Lys Met Leu Arg Ser Lys Met Gly Lys Cys
50 55 60

Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Thr Ser Asn Val
65 70 75 80

Gly Thr Ser Gly Asp His Glu Asn Ser Phe Met Lys Met Leu Arg Ser
85 90 95

Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
100 105 110

Gly Lys Ser Asn Val Gly Ala Trp Gly Asp Tyr Asp His Ser Ala Phe
115 120 125

Met Glu Pro Arg Tyr His Ile Arg Arg Glu Asp Leu Asp Lys Leu His
130 135 140

Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
145 150 155 160

Leu Arg Asp Thr Asp Met Asn Lys Arg Asp Lys Glu Lys Arg Thr Ala
165 170 175

Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Gln Leu Leu
180 185 190

Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
195 200 205

Ala Leu Ile Lys Ala Ile Gln Cys Gln Glu Asp Glu Cys Val Leu Met
210 215 220

Leu Leu Glu His Gly Ala Asp Arg Asn Ile Pro Asp Glu Tyr Gly Asn
225 230 235 240

Thr Ala Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys
245 250 255

Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys Val Gly
260 265 270

Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val
275 280 285

Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Val Leu Asp Arg Tyr
290 295 300

Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
305 310 315 320

Val Asn Leu Leu Leu Glu Gln Asn Val Asp Val Ser Ser Gln Asp Leu
325 330 335

Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val
340 345 350

Ile Cys Glu Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile
355 360 365

Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys
370 375 380

0010 327

0011 634

0012 DNA

0013 Homo sapiens

0400 327

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tccaagaaat	gtctcaagaa	ccagaaataa	ataa			634

c210 + 313

c211 + 1155

c212 + DNA

c213 + Homo sapiens

c400 + 328

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accagaaata	aataa					1155

c210 + 309

c211 + 1155

c212 + DNA

c213 + Homo sapiens

c400 + 329

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<210> 330

<211> 1155

<212> DNA

<213> Homo sapiens

<400> 330

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<210> 331

<211> 210

<212> PFT

<213> Homo sapiens

<400> 331

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Leu Leu Leu Asp Arg Arg Cys Gln Leu Asn Ile Leu Asp Asn Lys Lys
      20                      25                      30

```

```

Arg Thr Ala Leu Thr Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala
      35                      40                      45

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Leu Met Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr
      50                      55                      60

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Gly Asn Thr Ala Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met
 65 70 75 80
 Ala Lys Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys
 85 90 95
 His Gly Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln
 100 105 110
 Val Val Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp
 115 120 125
 Arg Tyr Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala
 130 135 140
 Ser Ile Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln
 145 150 155 160
 Asp Leu Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser Arg His
 165 170 175
 Asn Val Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Ile Leu
 180 185 190
 Lys Val Ser Ser Glu Asn Ser Asn Pro Gly Asn Val Ser Arg Thr Arg
 195 200 205
 Asn Lys
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<210> 332

<211> 384

<212> PRT

<213> Homo sapiens

<400> 332

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 20 25 30
 Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Met Gly Thr Ser Gly Asp
 35 40 45
 His Asp Asp Ser Phe Met Lys Met Leu Arg Ser Lys Met Gly Lys Cys
 50 55 60
 Cys Arg His Cys Phe Pro Cys Cys Arg Gly Ser Gly Thr Ser Asn Val
 65 70 75 80
 Gly Thr Ser Gly Asp His Glu Asn Ser Phe Met Lys Met Leu Arg Ser
 85 90 95

Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
 100 105 110
 Gly Lys Ser Asn Val Gly Ala Trp Gly Asp Tyr Asp His Ser Ala Phe
 115 120 125
 Met Glu Pro Arg Tyr His Ile Arg Arg Glu Asp Leu Asp Lys Leu His
 130 135 140
 Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
 145 150 155 160
 Leu Arg Asp Thr Asp Met Asn Lys Arg Asp Lys Glu Lys Arg Thr Ala
 165 170 175
 Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Gln Leu Leu
 180 185 190
 Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
 195 200 205
 Ala Leu Ile Lys Ala Ile Gln Cys Gln Glu Asp Glu Cys Val Leu Met
 210 215 220
 Leu Leu Glu His Gly Ala Asp Arg Asn Ile Pro Asp Glu Tyr Gly Asn
 225 230 235 240
 Thr Ala Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys
 245 250 255
 Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys Cys Gly
 260 265 270
 Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val
 275 280 285
 Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Val Leu Asp Arg Tyr
 290 295 300
 Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
 305 310 315 320
 Val Asn Leu Leu Leu Glu Gln Asn Val Asp Val Ser Ser Gln Asp Leu
 325 330 335
 Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val
 340 345 350
 Ile Cys Glu Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile
 355 360 365
 Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys
 370 375 380

400 . 333

Pro Thr Asp Leu Arg Ser Lys Met Gly Lys Trp Cys His His Arg Phe
20 25 30

Pro Cys Cys Arg Gly Ser Gly Lys Ser Asn Met Gly Thr Ser Gly Asp
35 40 45

His Asp Asp Ser Phe Met Lys Thr Leu Arg Ser Lys Met Gly Lys Cys
50 55 60

Cys His His Cys Phe Pro Cys Cys Arg Gly Ser Gly Thr Ser Asn Val
65 70 75 80

Gly Thr Ser Gly Asp His Asp Asn Ser Phe Met Lys Thr Leu Arg Ser
85 90 95

Lys Met Gly Lys Trp Cys Cys His Cys Phe Pro Cys Cys Arg Gly Ser
100 105 110

Gly Lys Ser Asn Val Gly Thr Trp Gly Asp Tyr Asp Asp Ser Ala Phe
115 120 125

Met Glu Pro Arg Tyr His Val Arg Arg Glu Asp Leu Asp Lys Leu His
130 135 140

Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
145 150 155 160

Leu Arg Asp Thr Asp Met Asn Lys Arg Asp Lys Gln Lys Arg Thr Ala
165 170 175

Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Gln Leu Leu
180 185 190

Leu Asp Arg Arg Cys Glr. Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
195 260 265

Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Val Leu Met
210 215 220

Leu Leu Glu His Gly Ala Asp Gly Asn Ile Gln Asp Glu Tyr Gly Asn
225 230 235 240

Thr Ala Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys

Ser Lys Ser Lys Val Gly Ala Trp Gly Asp Tyr Asp Asp Ser Ala Phe
 115 125
 Met Glu Pro Arg Tyr His Val Arg Gly Glu Asp Leu Asp Lys Leu His
 130 135 140
 Arg Ala Ala Trp Trp Gly Lys Val Pro Arg Lys Asp Leu Ile Val Met
 145 150 155 160
 Leu Arg Asp Thr Asp Val Asn Lys Gln Asp Lys Gln Lys Arg Thr Ala
 165 170 175
 Leu His Leu Ala Ser Ala Asn Gly Asn Ser Glu Val Val Lys Leu Leu
 180 185 190
 Leu Asp Arg Arg Cys Gln Leu Asn Val Leu Asp Asn Lys Lys Arg Thr
 195 200 205
 Ala Leu Ile Lys Ala Val Gln Cys Gln Glu Asp Glu Cys Ala Leu Met
 210 215 220
 Leu Leu Glu His Gly Thr Asp Pro Asn Ile Pro Asp Glu Tyr Gly Asn
 225 230 235 240
 Thr Thr Leu His Tyr Ala Ile Tyr Asn Glu Asp Lys Leu Met Ala Lys
 245 250 255
 Ala Leu Leu Leu Tyr Gly Ala Asp Ile Glu Ser Lys Asn Lys His Gly
 260 265 270
 Leu Thr Pro Leu Leu Leu Gly Val His Glu Gln Lys Gln Gln Val Val
 275 280 285
 Lys Phe Leu Ile Lys Lys Lys Ala Asn Leu Asn Ala Leu Asp Arg Tyr
 290 295 300
 Gly Arg Thr Ala Leu Ile Leu Ala Val Cys Cys Gly Ser Ala Ser Ile
 305 310 315 320
 Val Ser Leu Leu Leu Glu Gln Asn Ile Asp Val Ser Ser Gln Asp Leu
 325 330 335
 Ser Gly Gln Thr Ala Arg Glu Tyr Ala Val Ser Ser His His His Val
 340 345 350
 Ile Cys Gln Leu Leu Ser Asp Tyr Lys Glu Lys Gln Met Leu Lys Ile
 355 360 365
 Ser Ser Glu Asn Ser Asn Pro Glu Asn Val Ser Arg Thr Arg Asn Lys
 370 375 380